

**SONY®**

DIGITAL VIDEOCASSETTE RECORDER

**DVW-250/250P**

**Digital BETACAM™**

MAINTENANCE MANUAL Part 2

Volume 2 1st Edition

Serial No. 10001 and Higher

## **⚠警告**

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

## **⚠ WARNING**

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

## **⚠ WARNUNG**

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegebenen Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

## **⚠ AVERTISSEMENT**

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

### **CAUTION**

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.  
Dispose of used batteries according to the manufacturer's instructions.

### **ATTENTION**

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.  
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

### **Vorsicht!**

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ.  
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

### **ADVARSEL!**

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri af samme fabrikat og type.  
Levér det brugte batteri tilbage til leverandøren.



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## このマニュアルについて

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### 本書の目的

本書は、デジタルビデオカセットレコーダー DVW-250 のメンテナンスマニュアルです。

本書では、部品レベルでのサービスを前提とした情報（ブロック図、マウント図、回路図、詳細なパーツリスト等）を記載しています。

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### 構成

本書の構成を把握していただくために、全章の概略を以下に説明します。

メンテナンスマニュアル  
パート 2 Volume 2

#### Section 1 Block Diagrams

基板配置図、ブロック図を記載しています。

#### Section 2 Board Layouts

マウント図を記載しています。

#### Section 3 Schematic Diagrams

回路図を記載しています。

#### Section 4 Semiconductor Pin Assignments

本機に搭載されている半導体のピン名称、機能説明等を記載しています。

#### Section 5 Spare Parts

本機の機構部品を対象とした分解図、電気部品リスト、治工具リストを記載しています。

メンテナンスマニュアル  
パート 2 Volume 1

#### 第 1 章 サービスインフォメーション

#### 第 2 章 機構部品の交換

#### 第 3 章 機構部品の調整

#### 第 4 章 基板の交換方法

#### 第 5 章 電気調整



# Manual Structure

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## Purpose of this manual

This manual is maintenance manual of Digital Videocassette Recorder DVW-250/250P.

This manual describes the information items (block diagrams, board layouts, schematic diagrams, detailed parts list, etc.) that premise the service based on the component parts.

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## Contents

The following is a summary of the sections for understanding the contents of this manual.

### Maintenance Manual Part 2 Volume 2

#### Section1 Block Diagrams

Describes the locations of printed circuit board, and the block diagrams.

#### Section 2 Board Layouts

Describes the board layouts.

#### Section 3 Schematic Diagrams

Describes the schematic diagrams.

#### Section 4 Semiconductor Pin Assignments

Describes the pin assignments, and the function explanation used in this unit.

#### Section 5 Spare Parts

Describes the exploded views for the mechanical parts, the electrical parts list, and the optional fixtures list in this unit.

### Maintenance Manual Part 2 Volume 1

#### Section 1 Service Overview

#### Section 2 Replacement of Mechanical Parts

#### Section 3 Mechanical Alignment

#### Section 4 Replacement of Circuit Boards

#### Section 5 Electrical Alignment

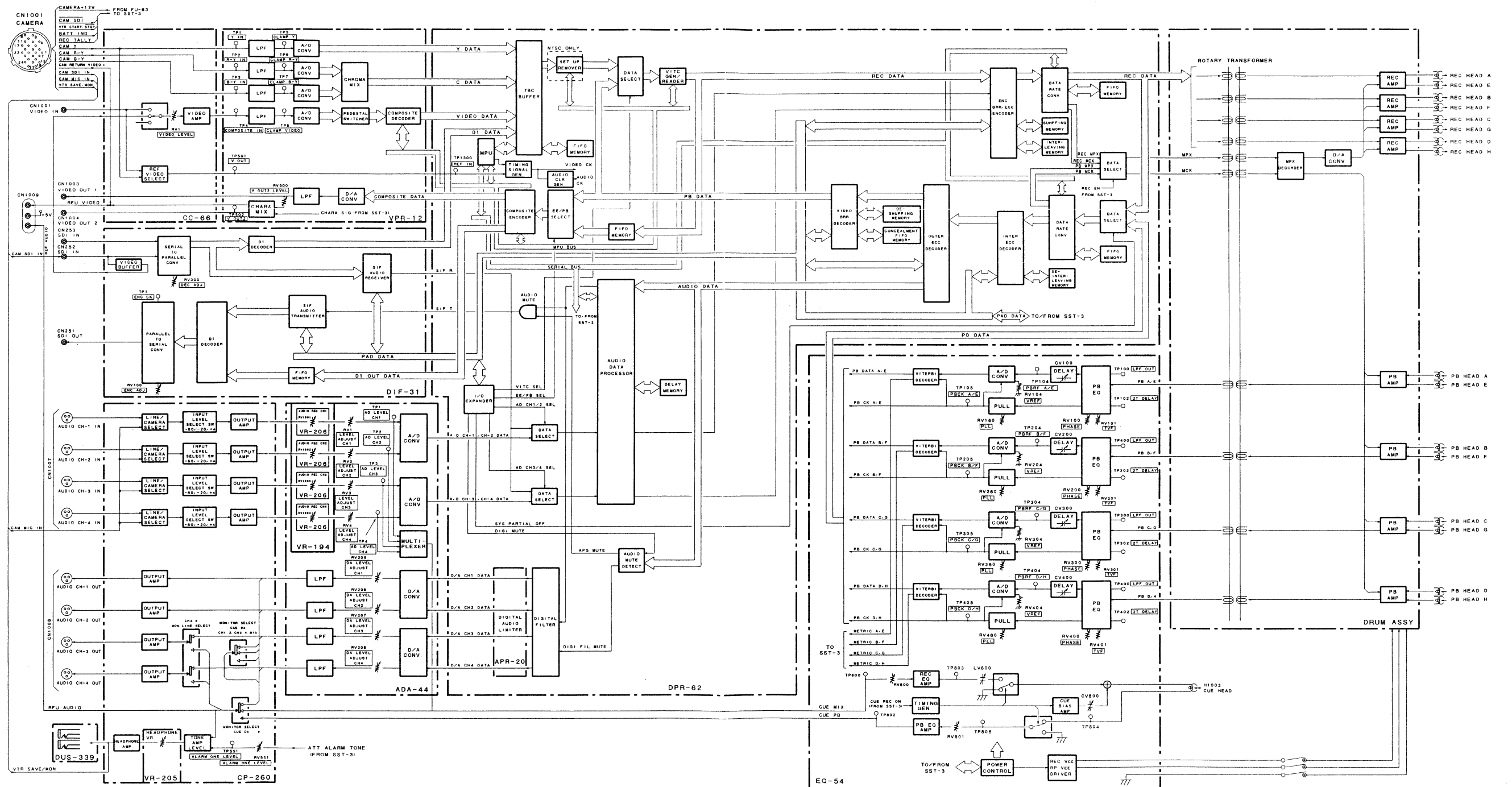


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# OVERALL BLOCK (1/2) OVERALL BLOCK (1/2)



## OVERALL BLOCK (1/2)

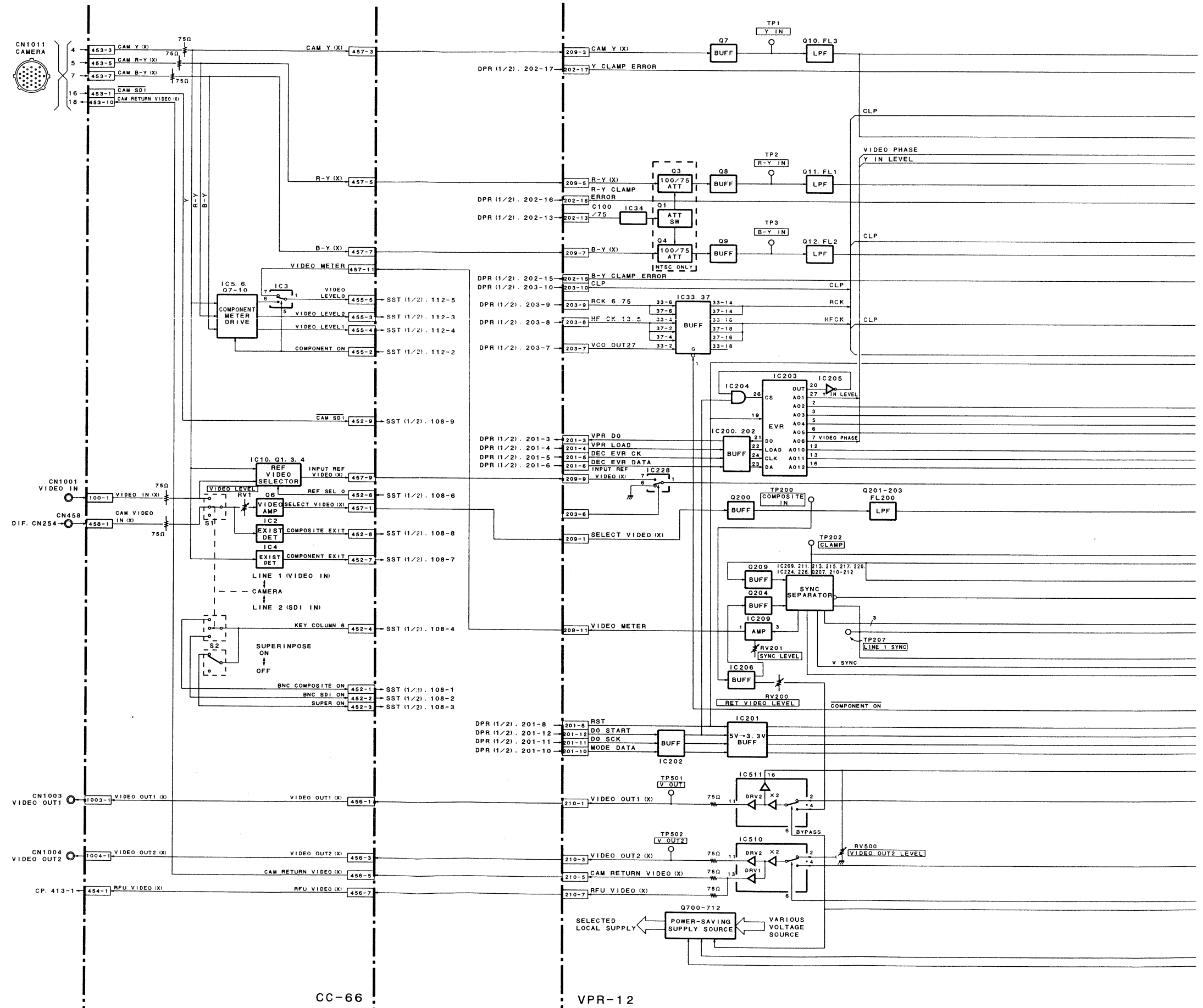
DVW-250/250P



## OVERALL BLOCK (2/2)



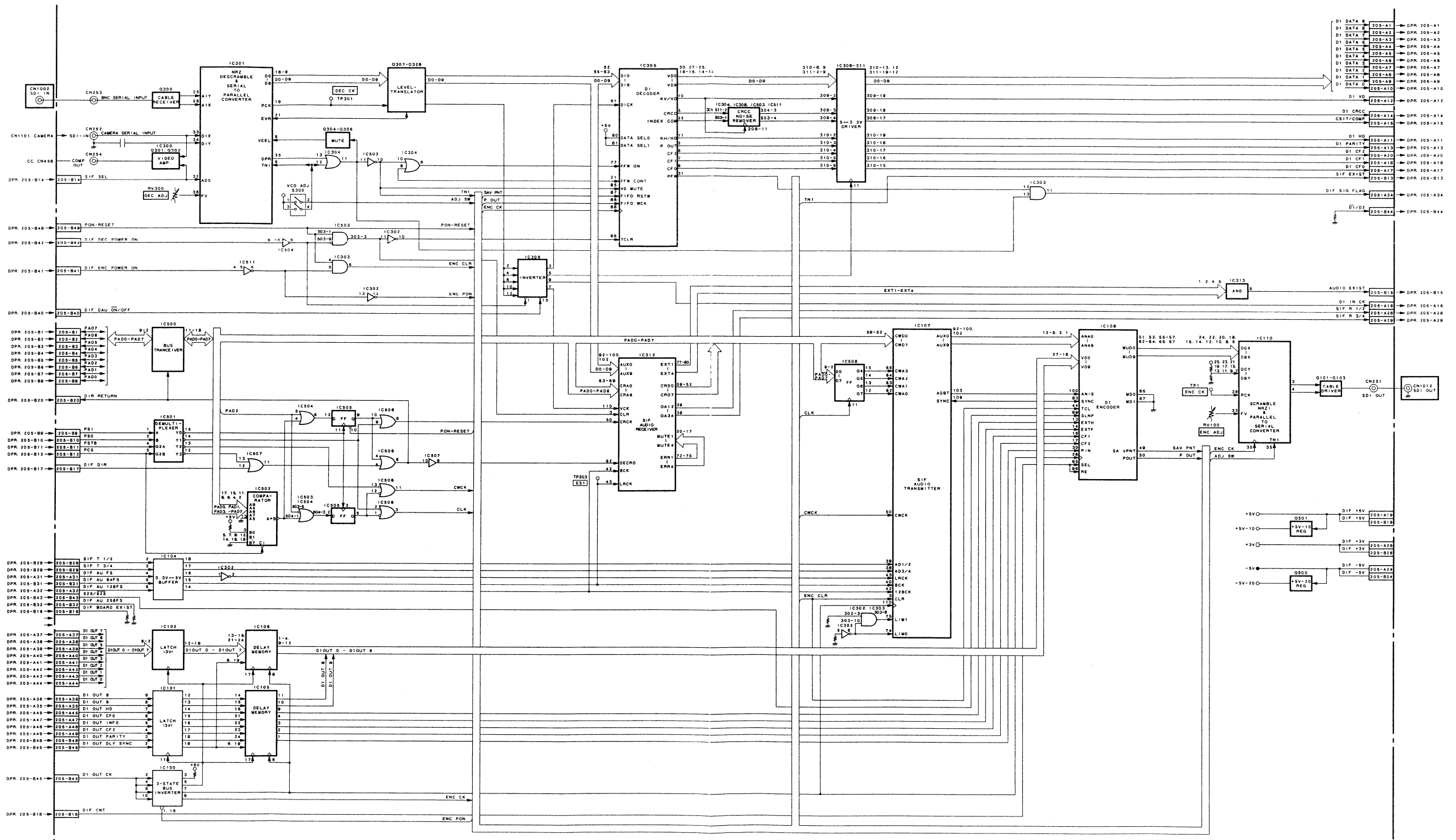
# VIDEO SIGNAL PROCESSING VIDEO SIGNAL PROCESSING



## VIDEO SIGNAL PROCESSING



# SDI SIGNAL PROCESSING SDI SIGNAL PROCESSING

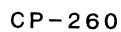


SDI SIGNAL PROCESSING

DVW-250/250P

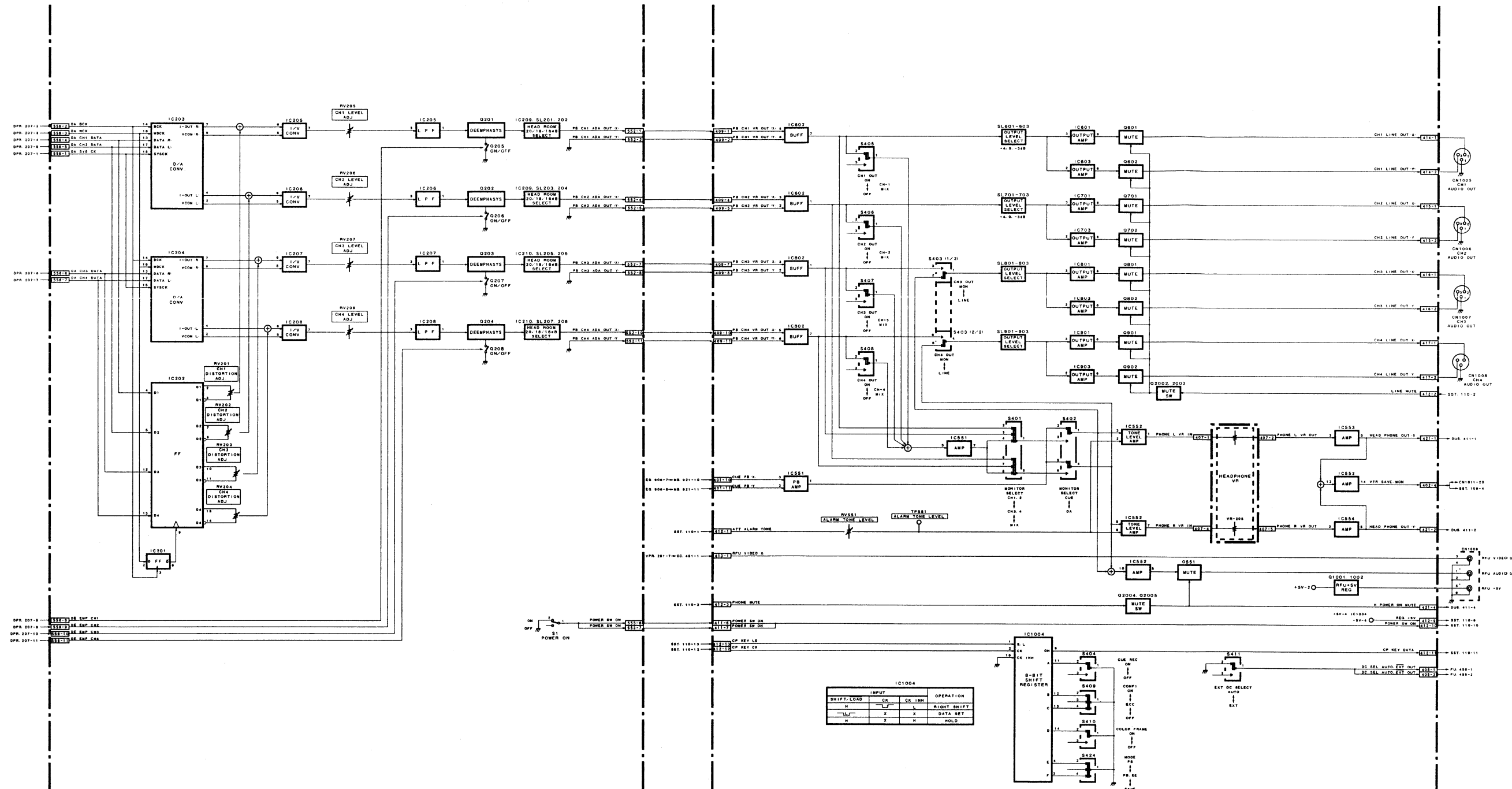


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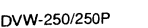
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DVW-250/250P



CP-260 (2/2)

# DIGITAL VIDEO PROCESSING

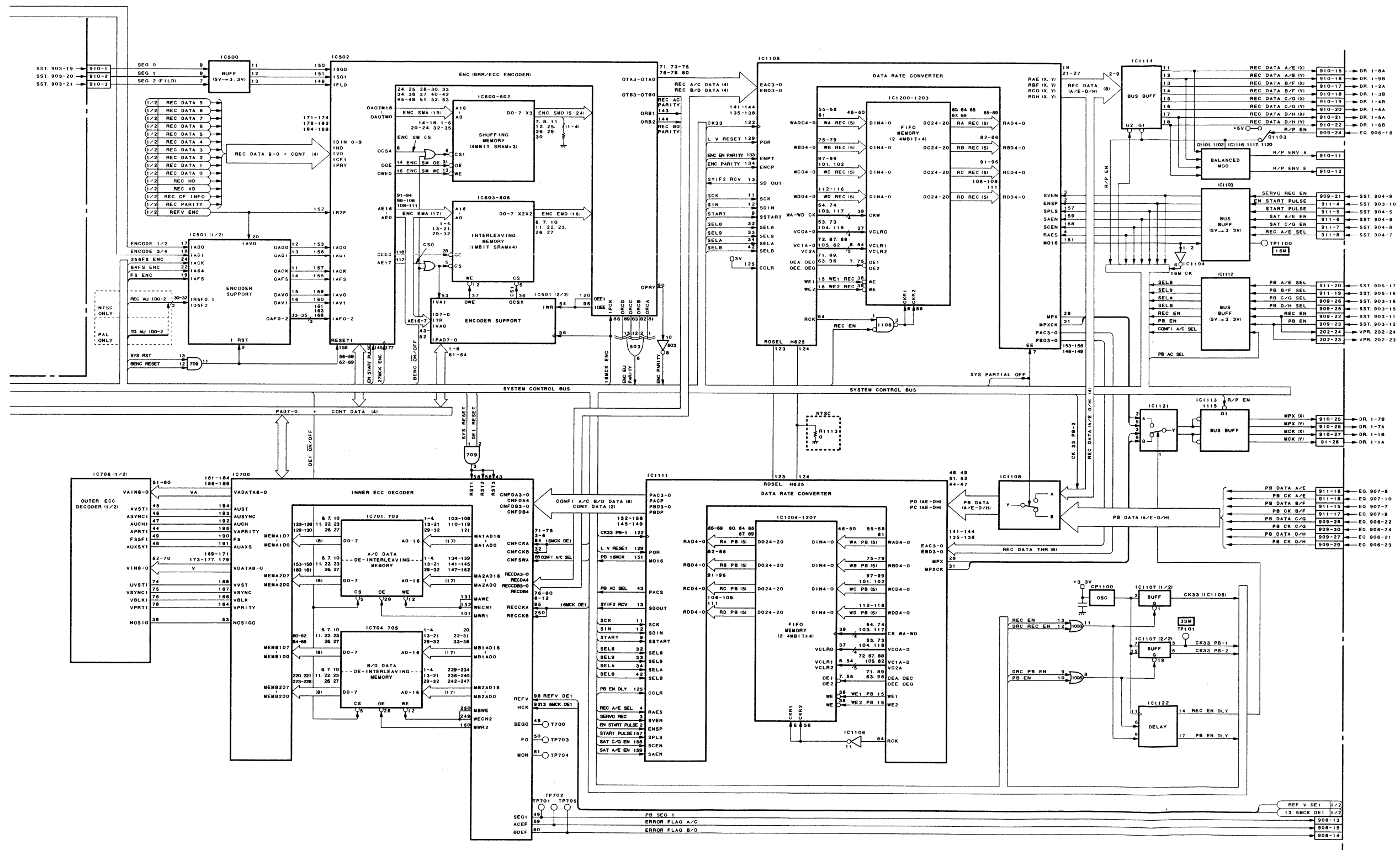




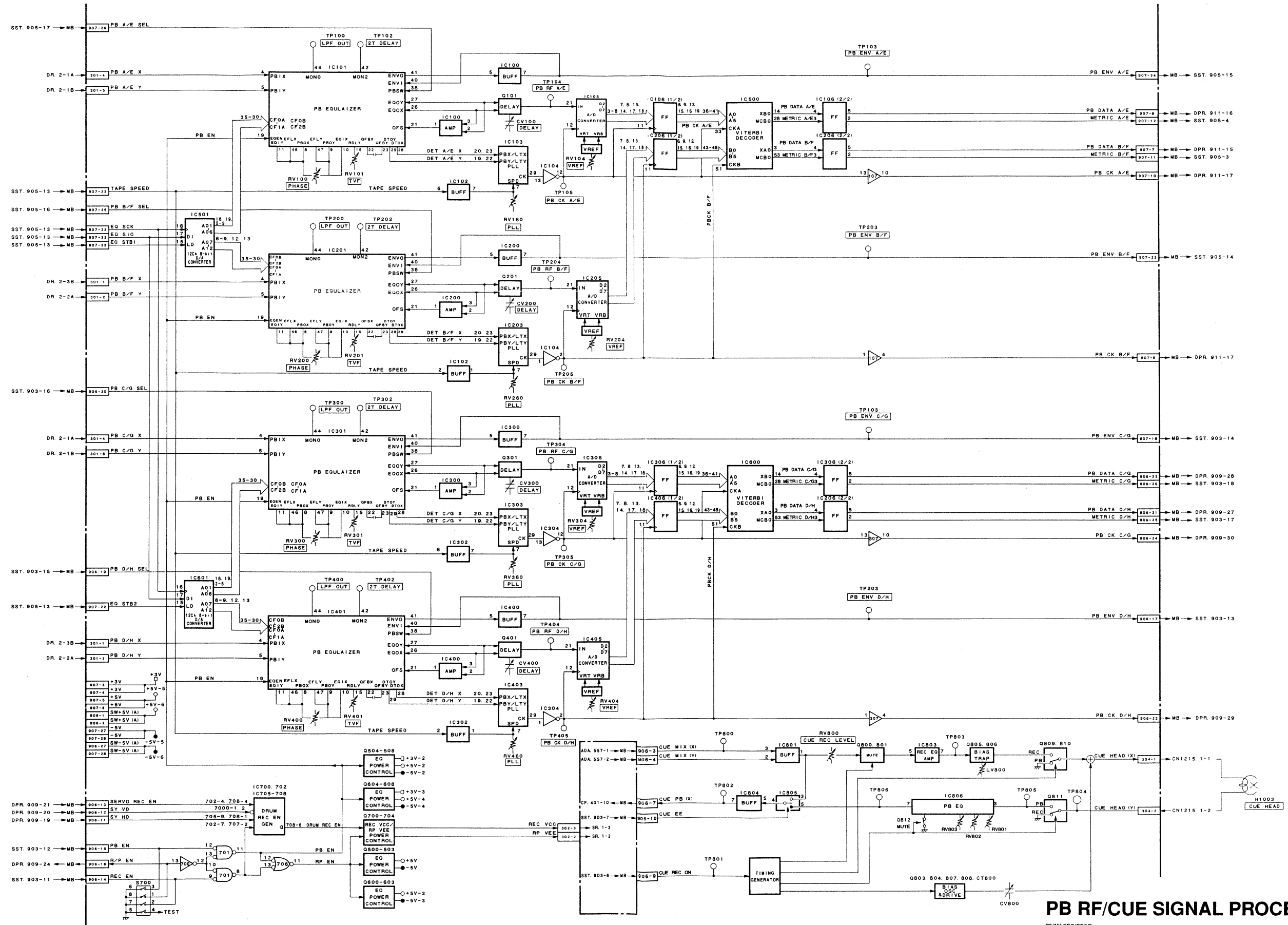
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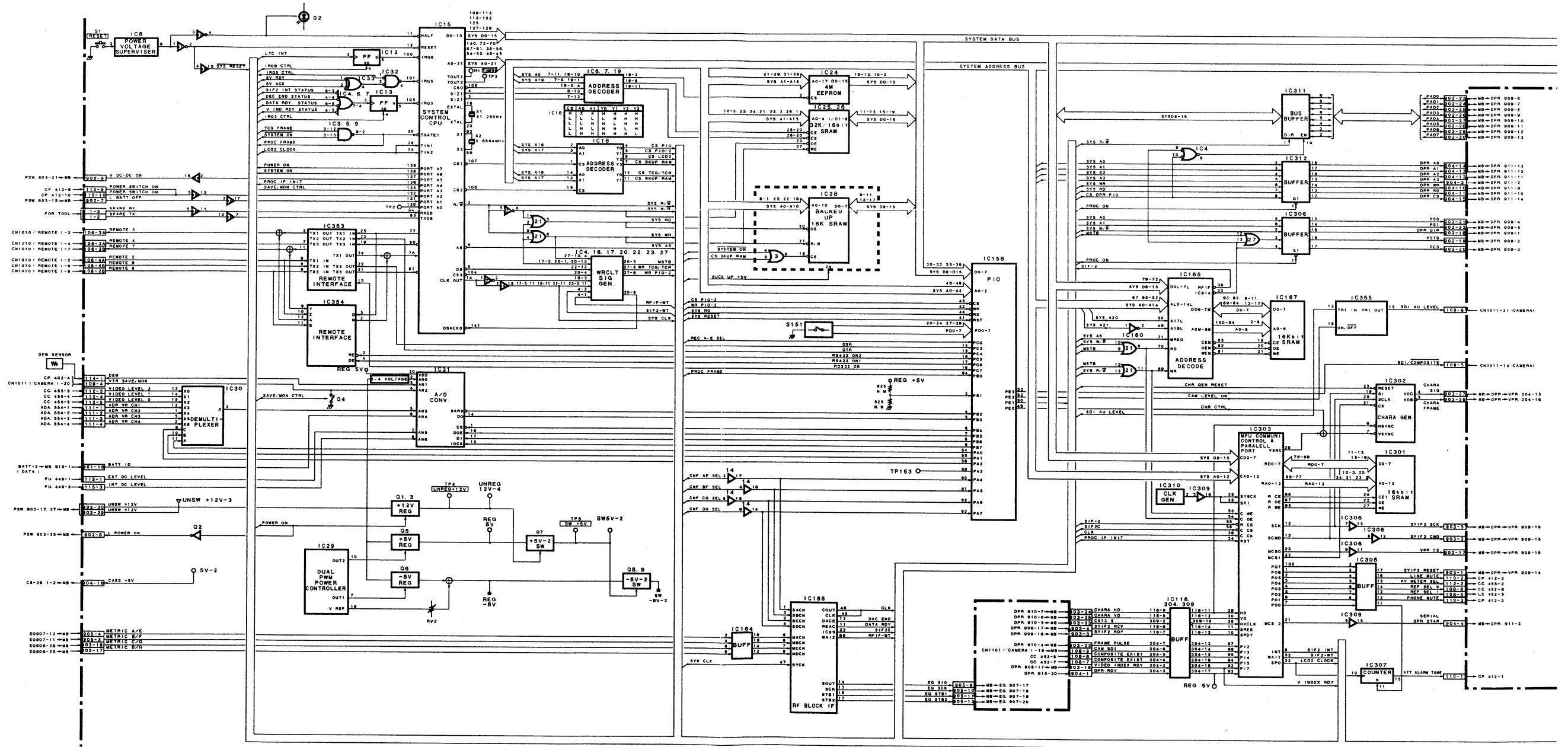
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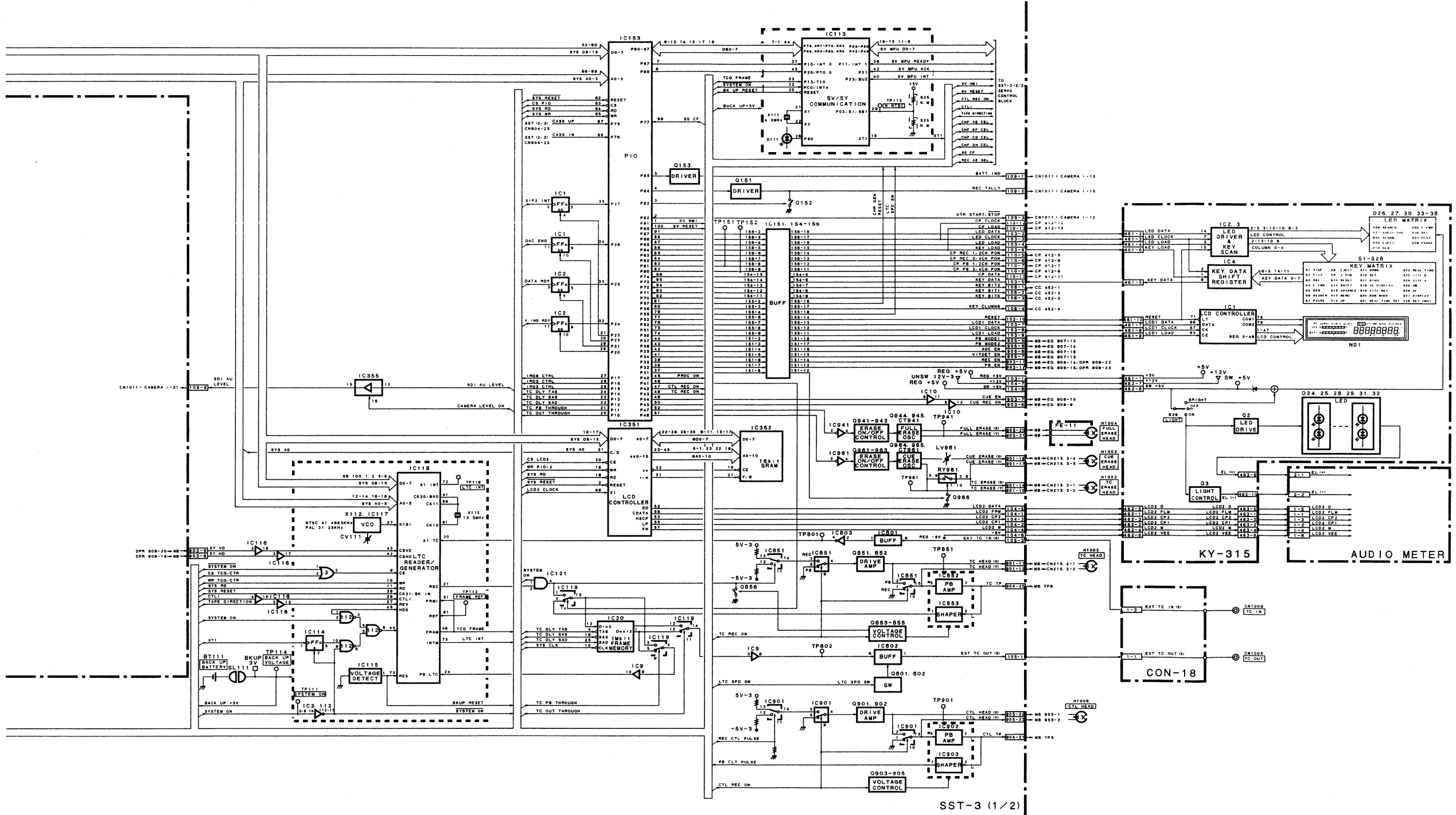
**PB RF/CUE SIGNAL PROCESSING**  
DVW-250/250P



# SYSTEM CONTROL BLOCK SYSTEM CONTROL BLOCK



## SYSTEM CONTROL BLOCK



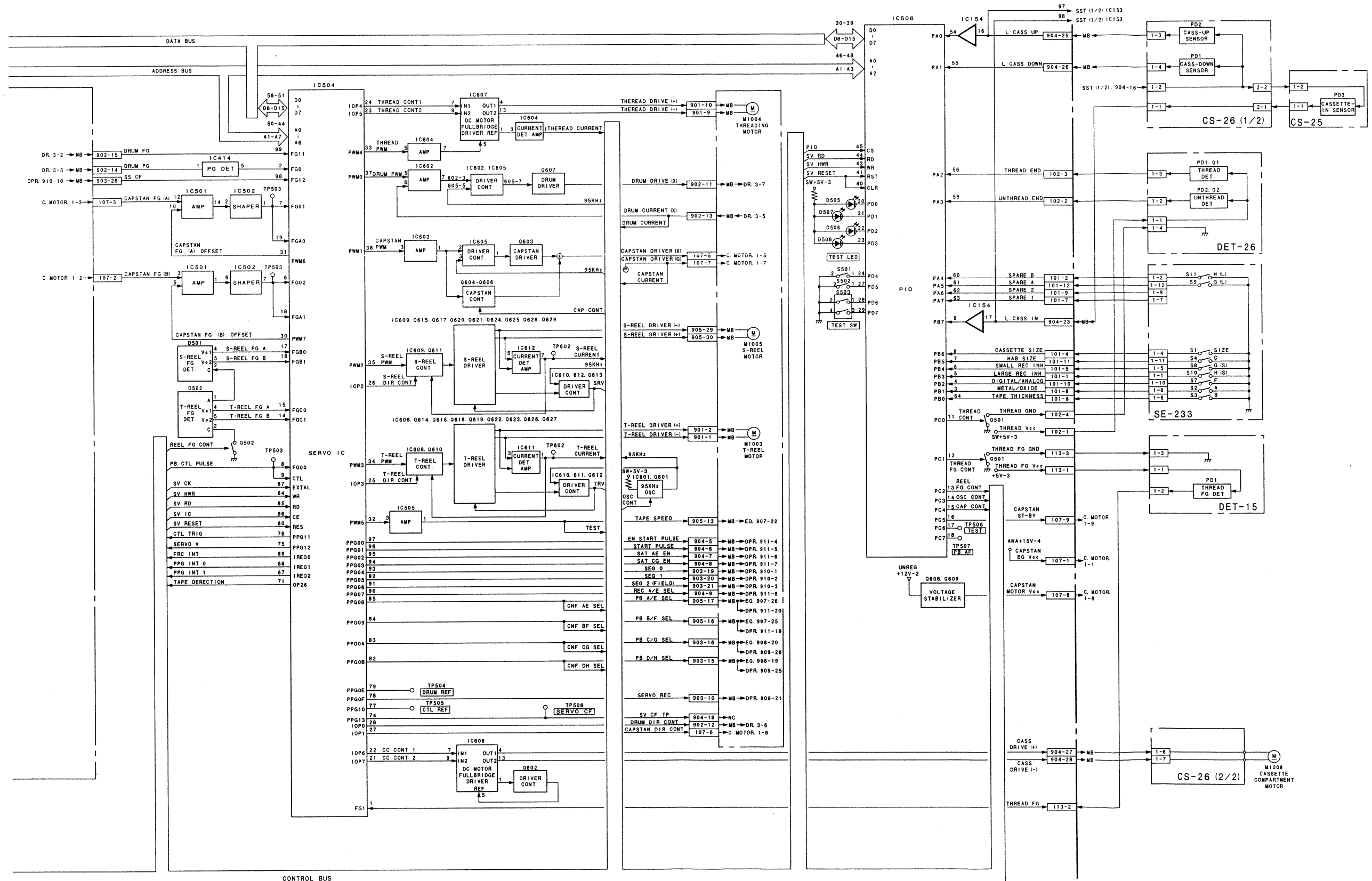
## SYSTEM CONTROL BLOCK

DVW-250/250P

## SERVO CONTROL BLOCK



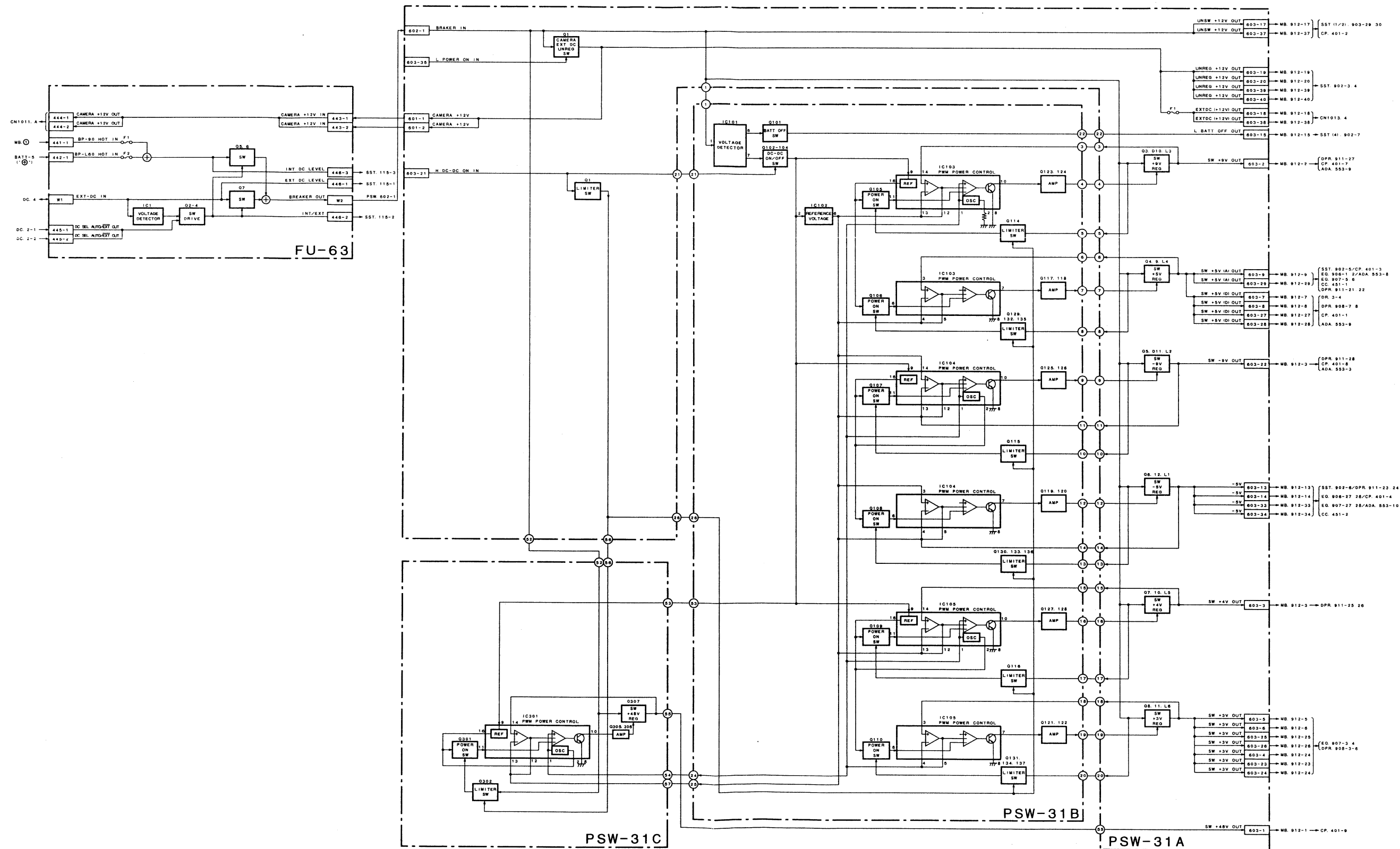
# SERVO CONTROL BLOCK      SERVO CONTROL BLOCK



## SERVO CONTROL BLOCK

DVW-250/250P

# POWER SUPPLY BLOCK      POWER SUPPLY BLOCK



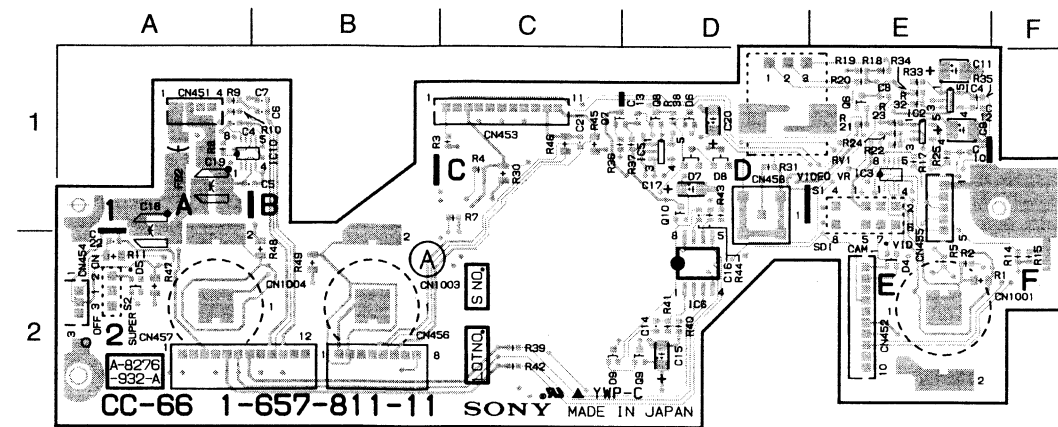
## POWER SUPPLY BLOCK

DVW-250/250P

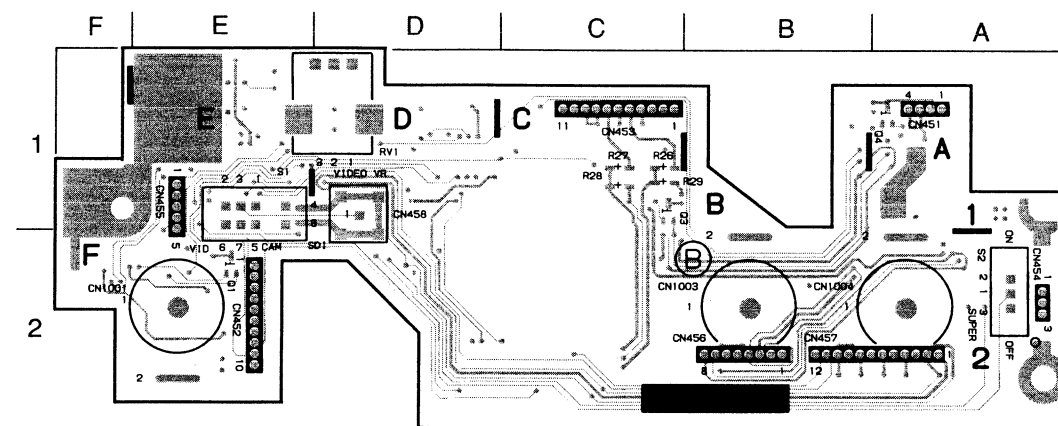
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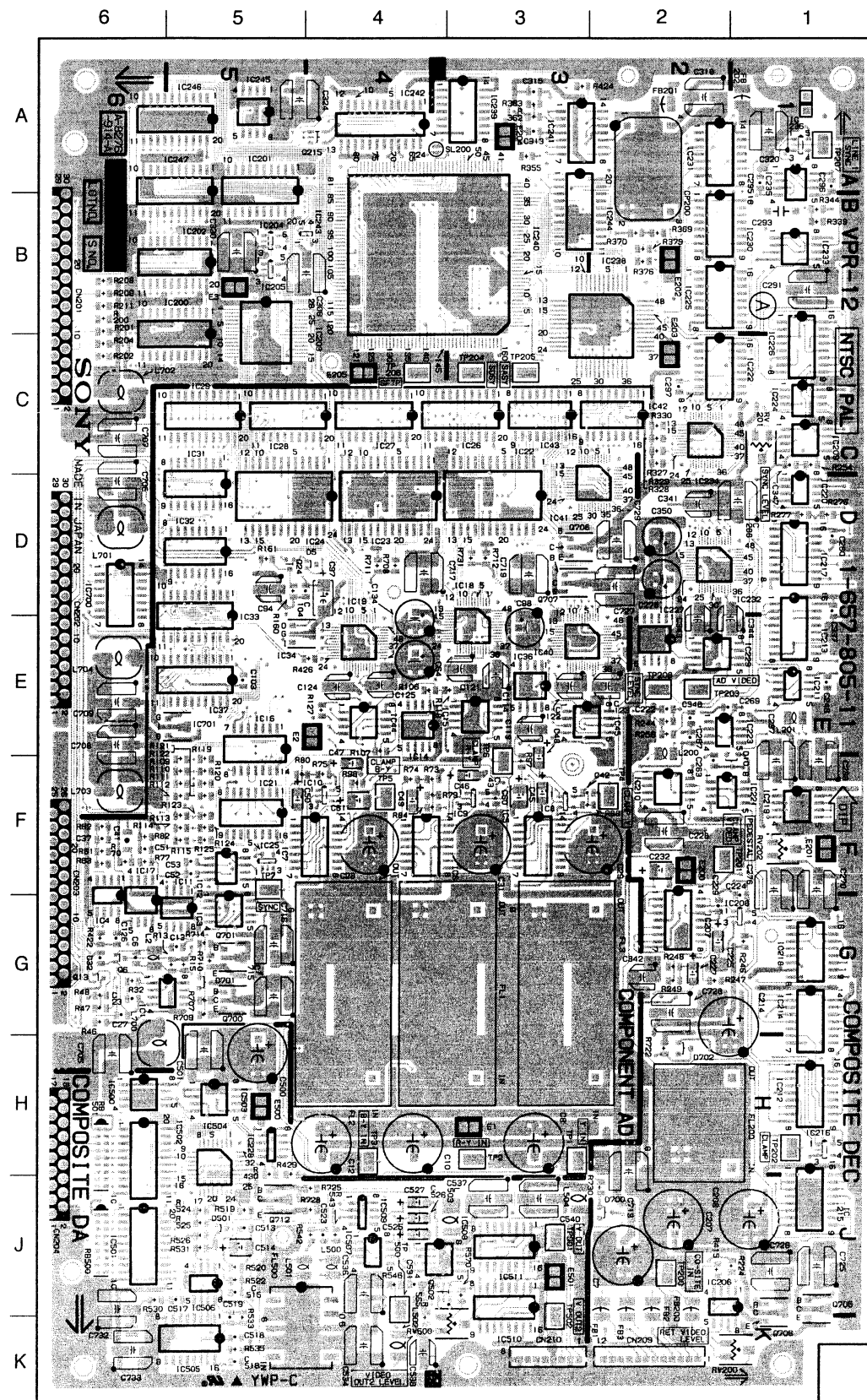
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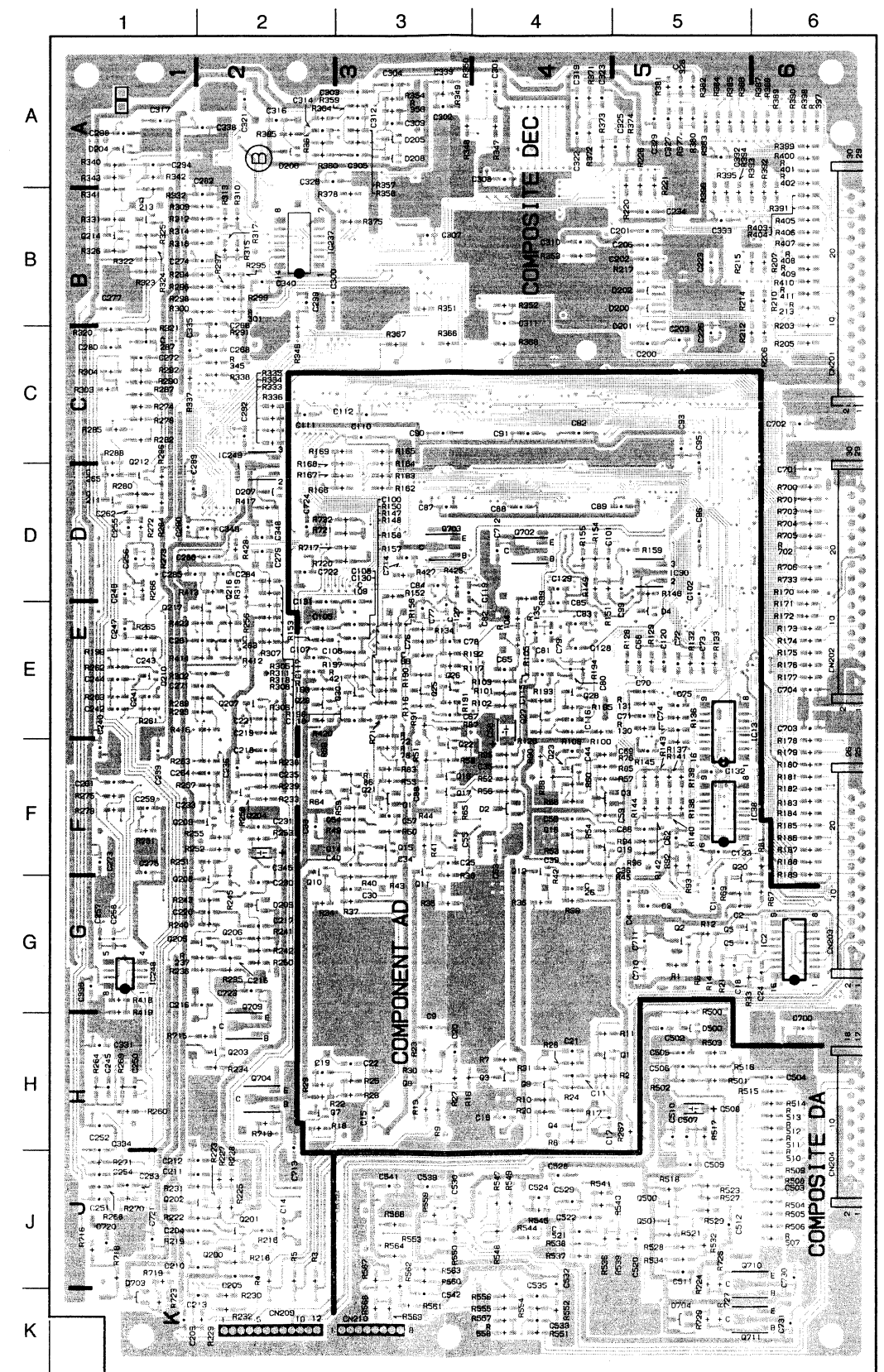
CC-66 - A SIDE -  
1-657-811-11



CC-66 - B SIDE -  
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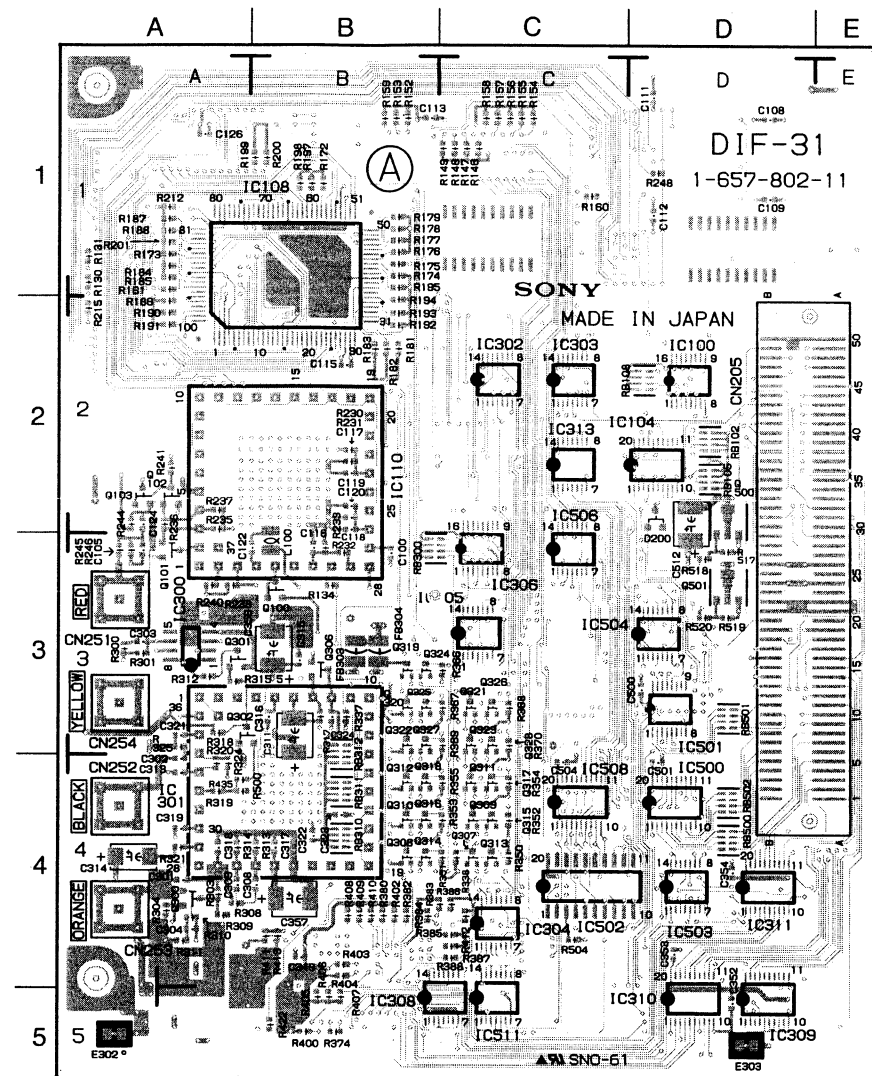


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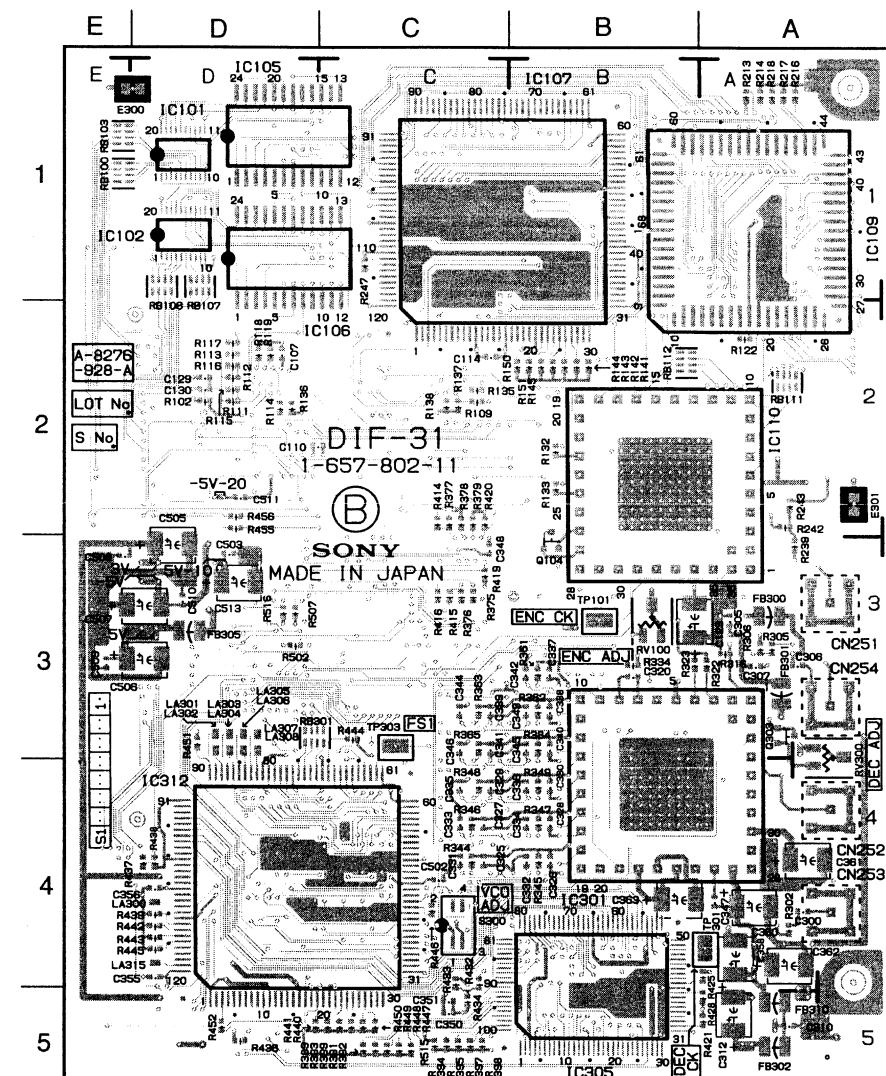


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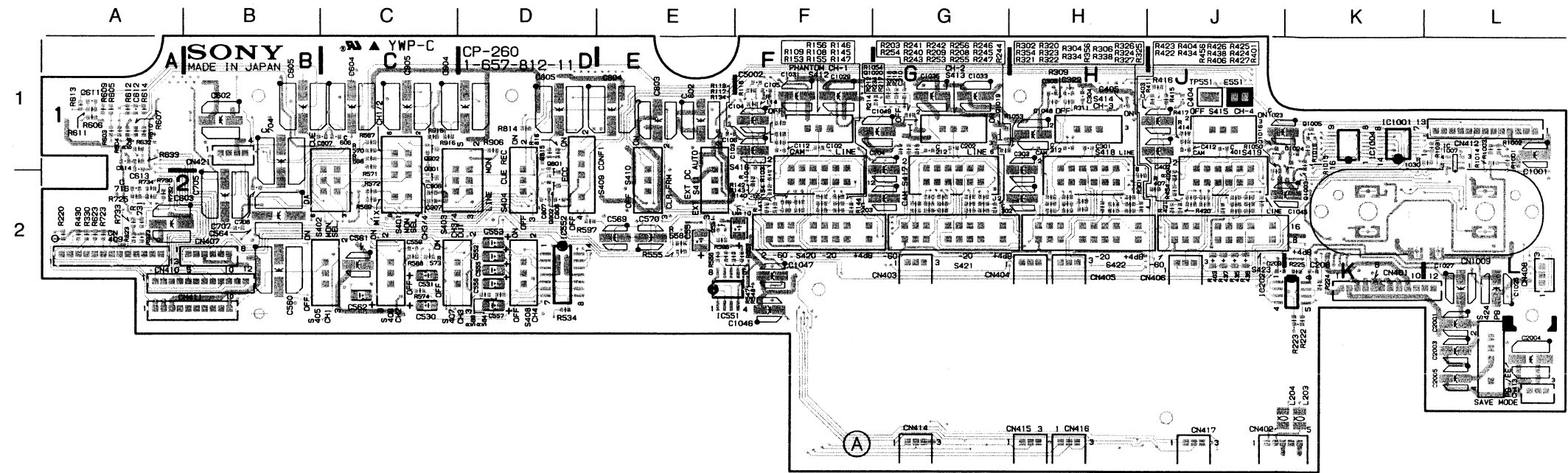




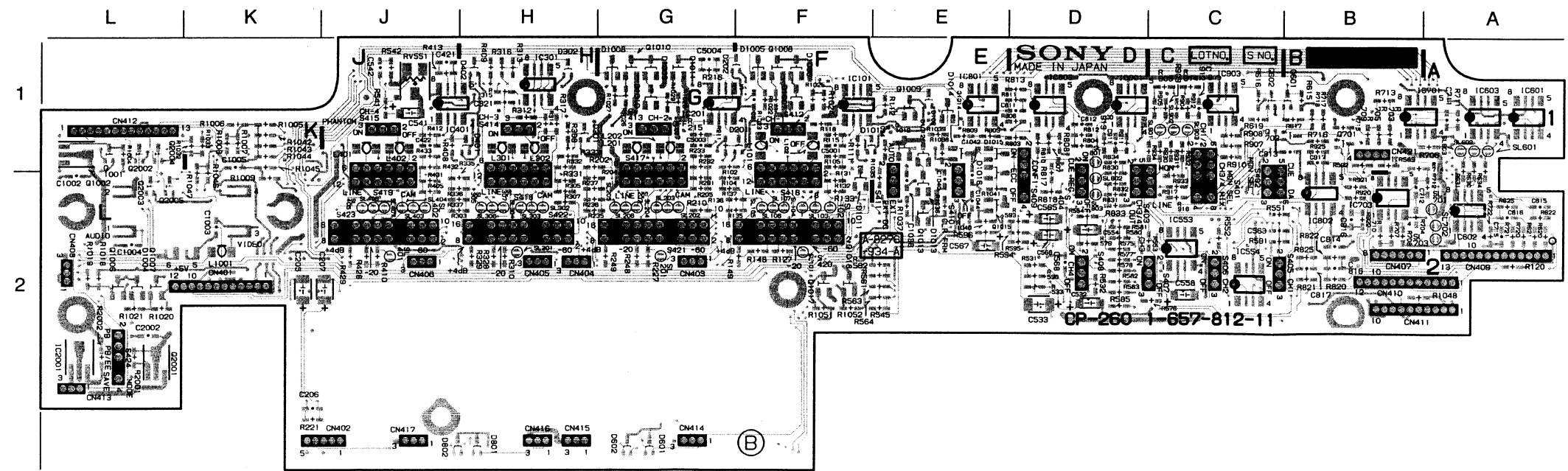
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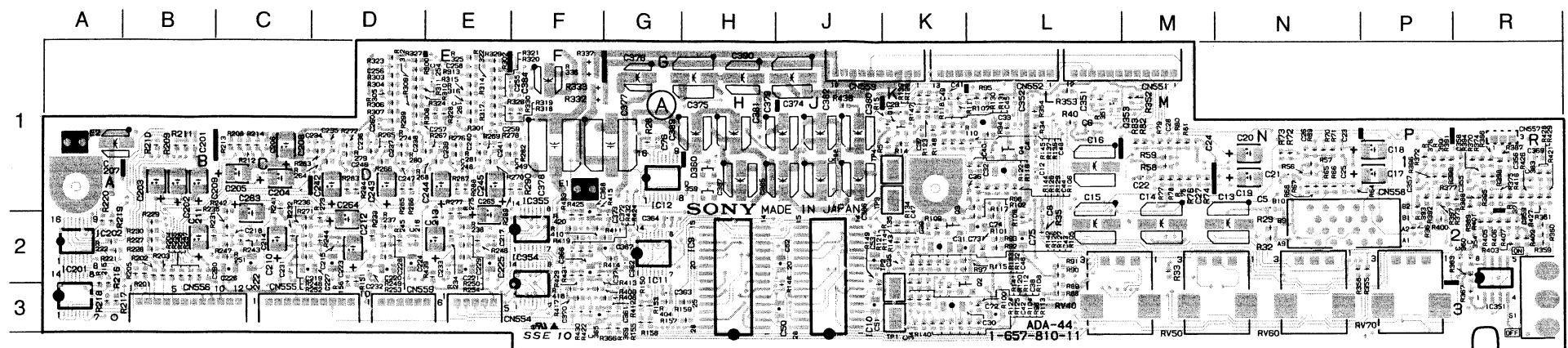
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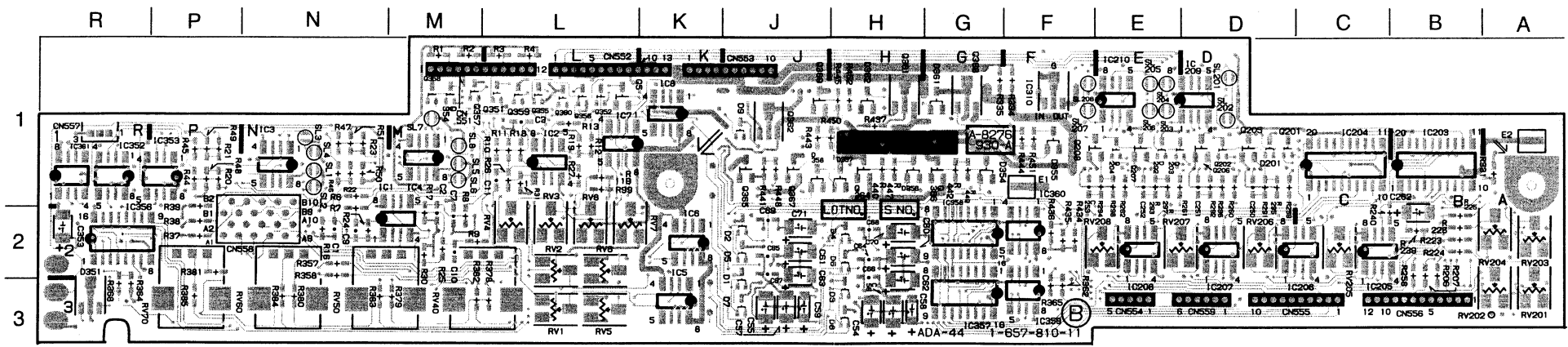
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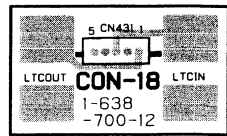
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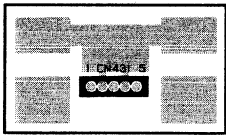
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ADA-44 - B SIDE -  
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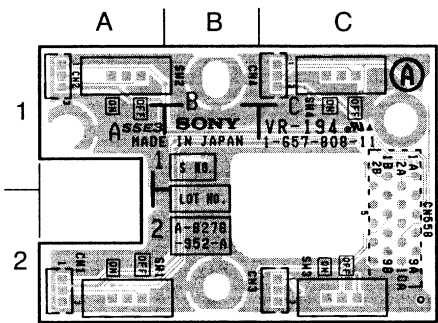


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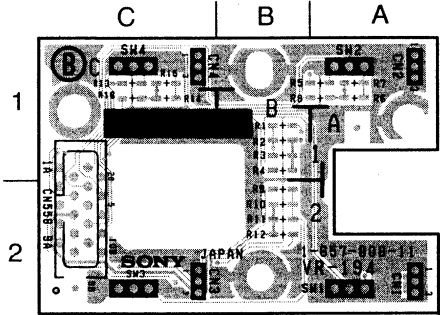


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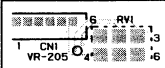




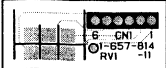
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**VR-194 - B SIDE -**  
1-657-808-11



**VR-205 - A SIDE -**  
1-657-814-11



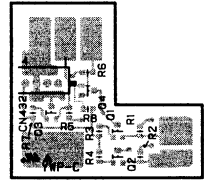
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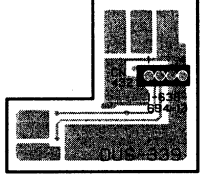
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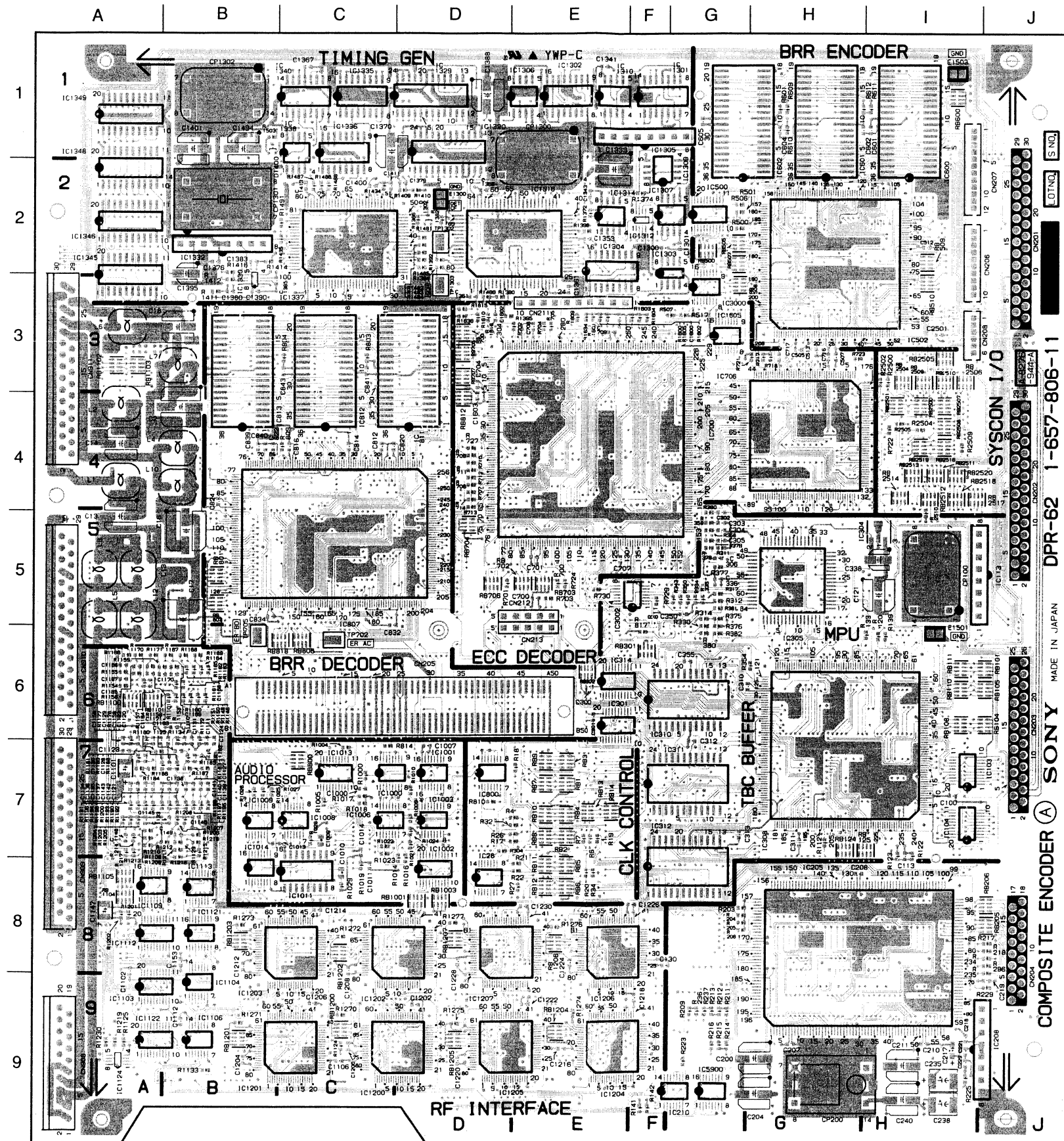
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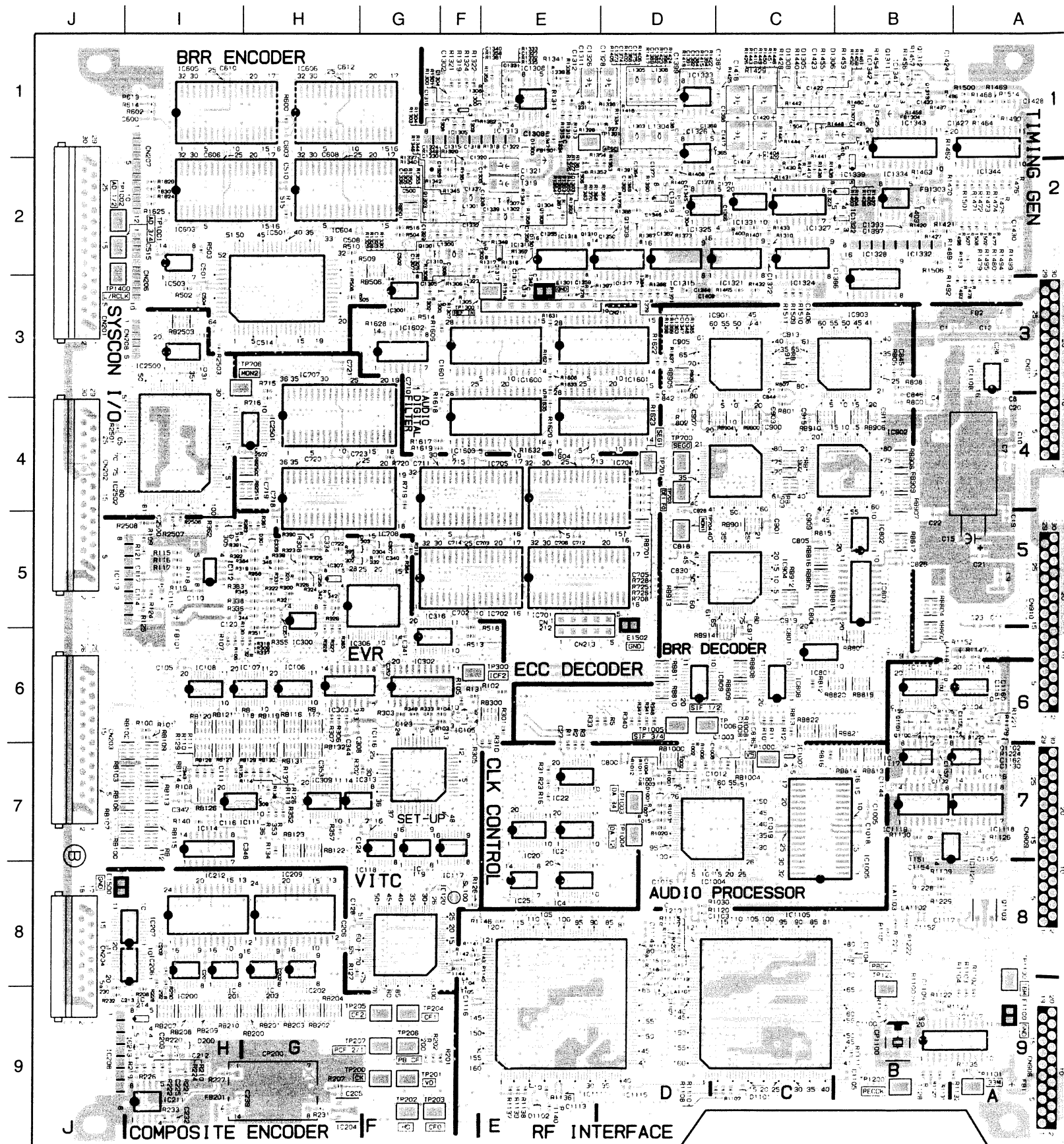
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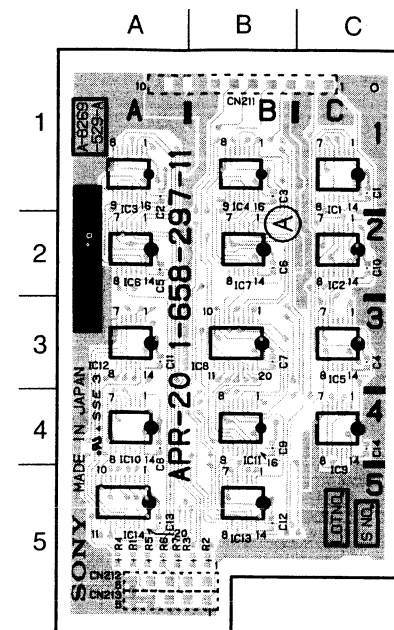
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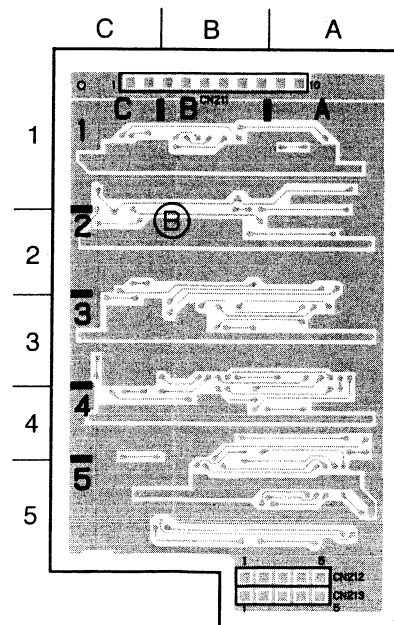
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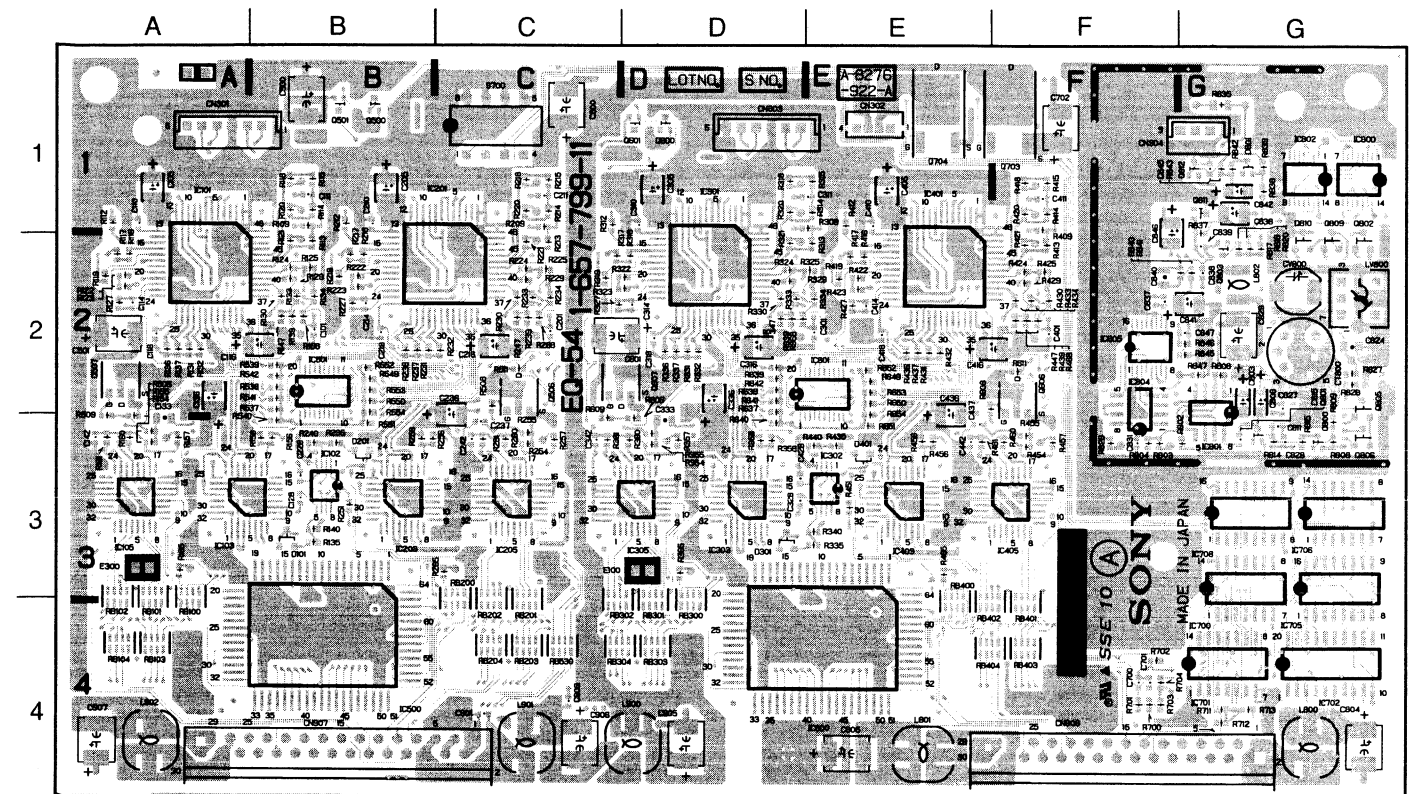




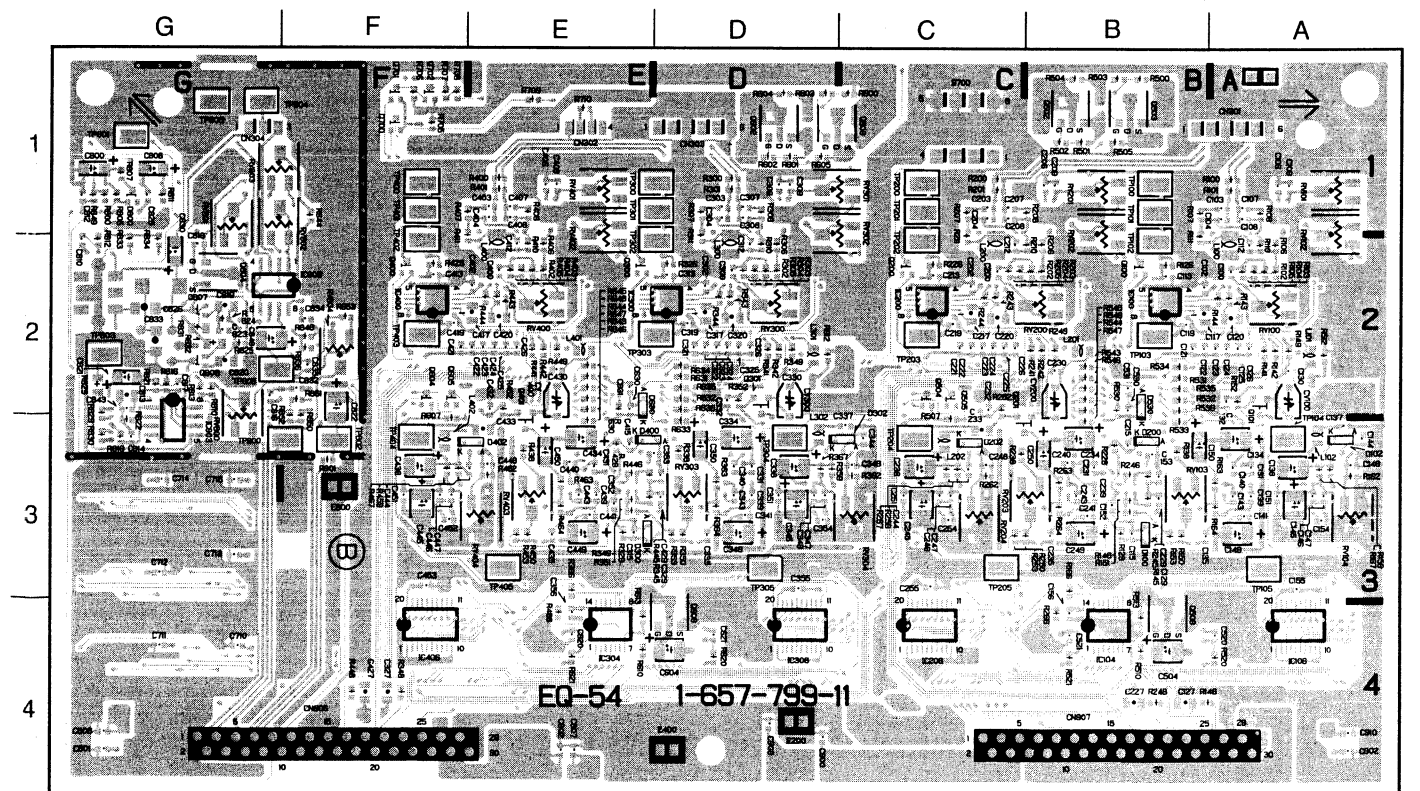
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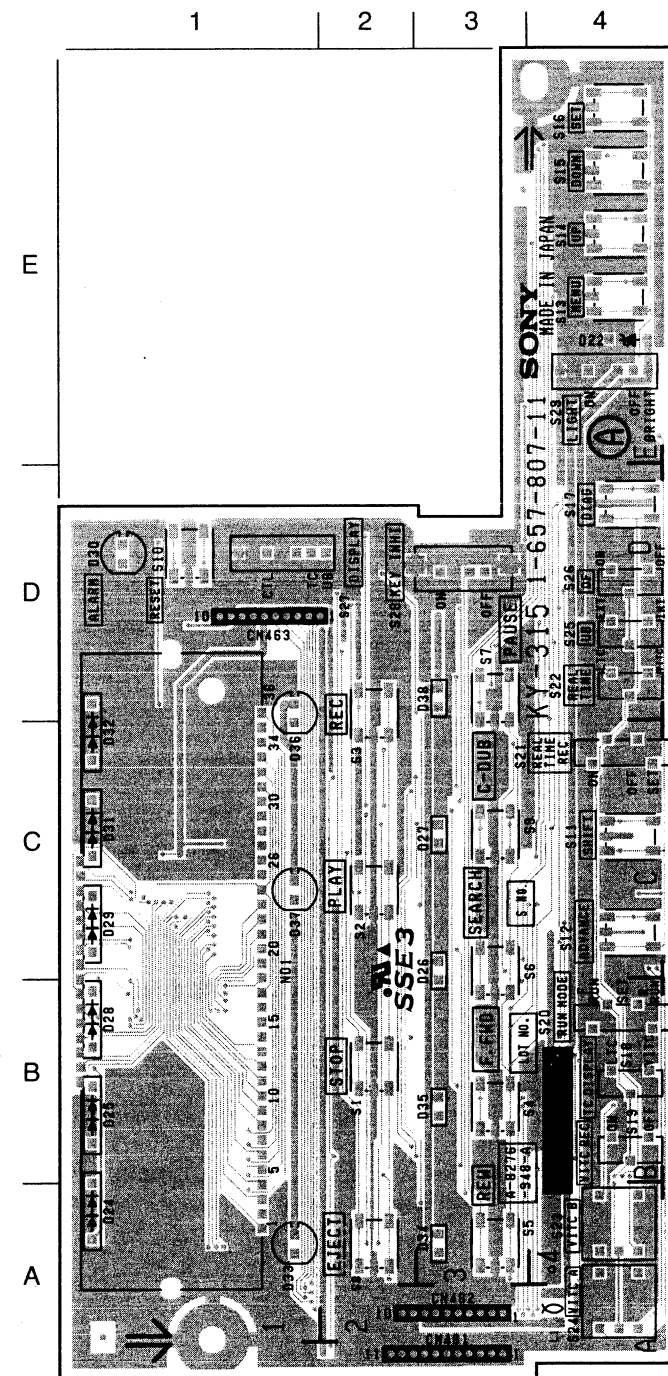
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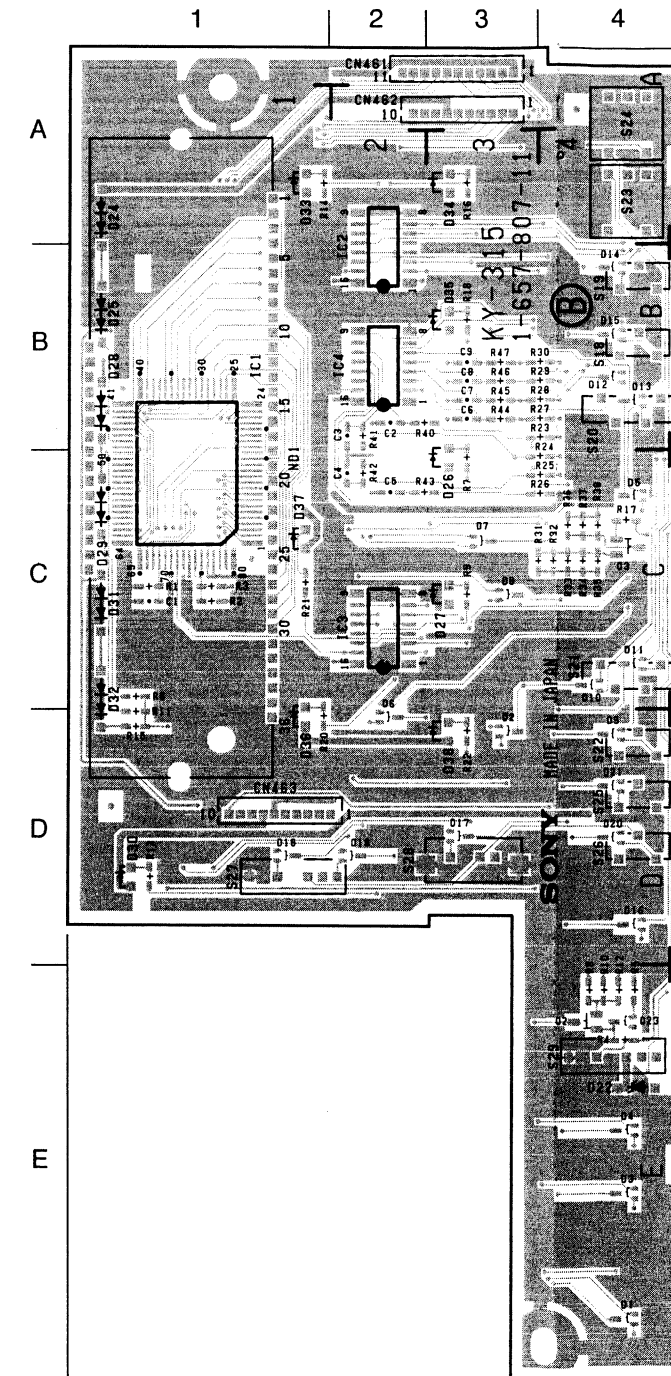
**EQ-54 - A SIDE -**  
1-657-799-11



**EQ-54 - B SIDE -**  
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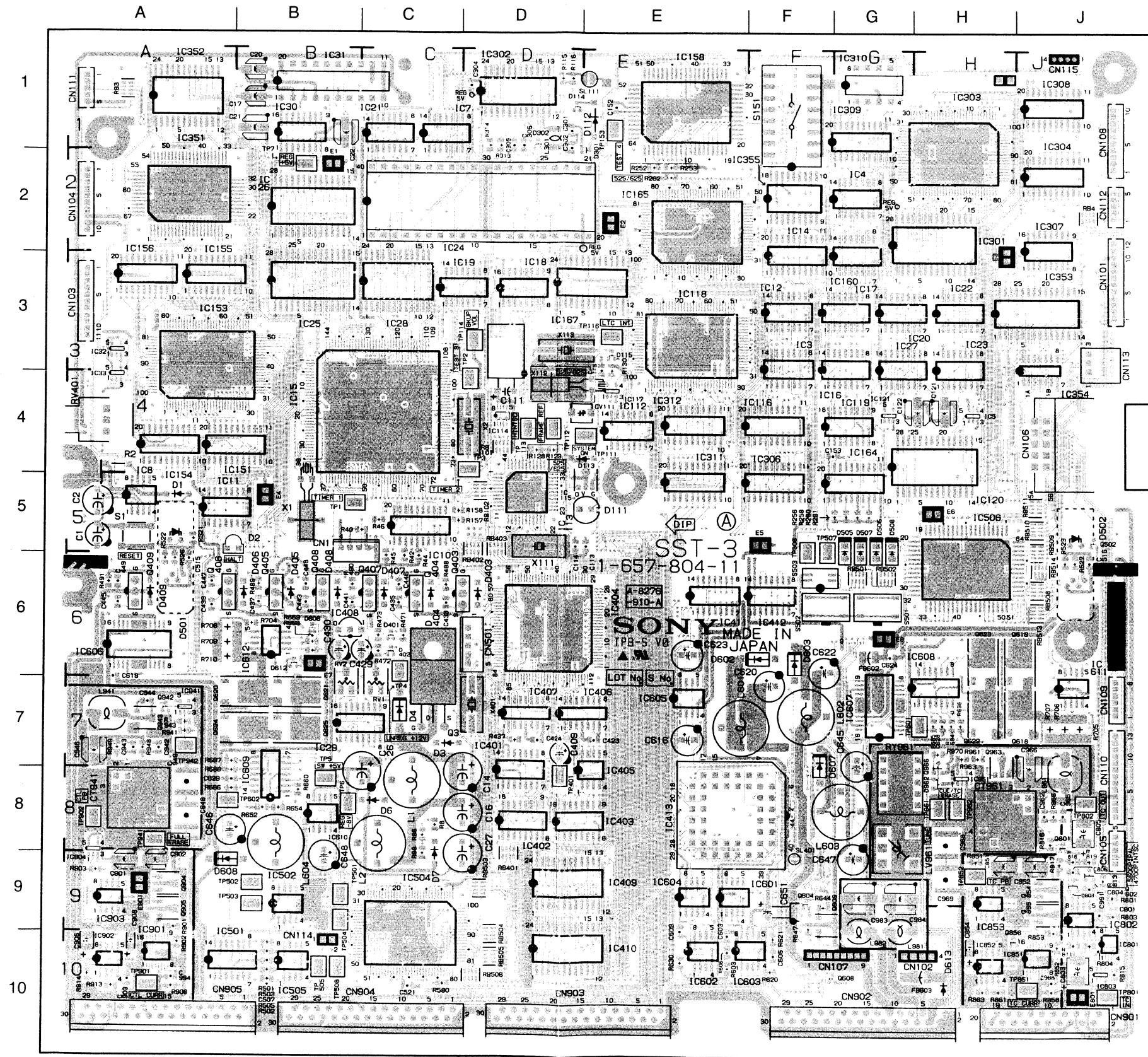


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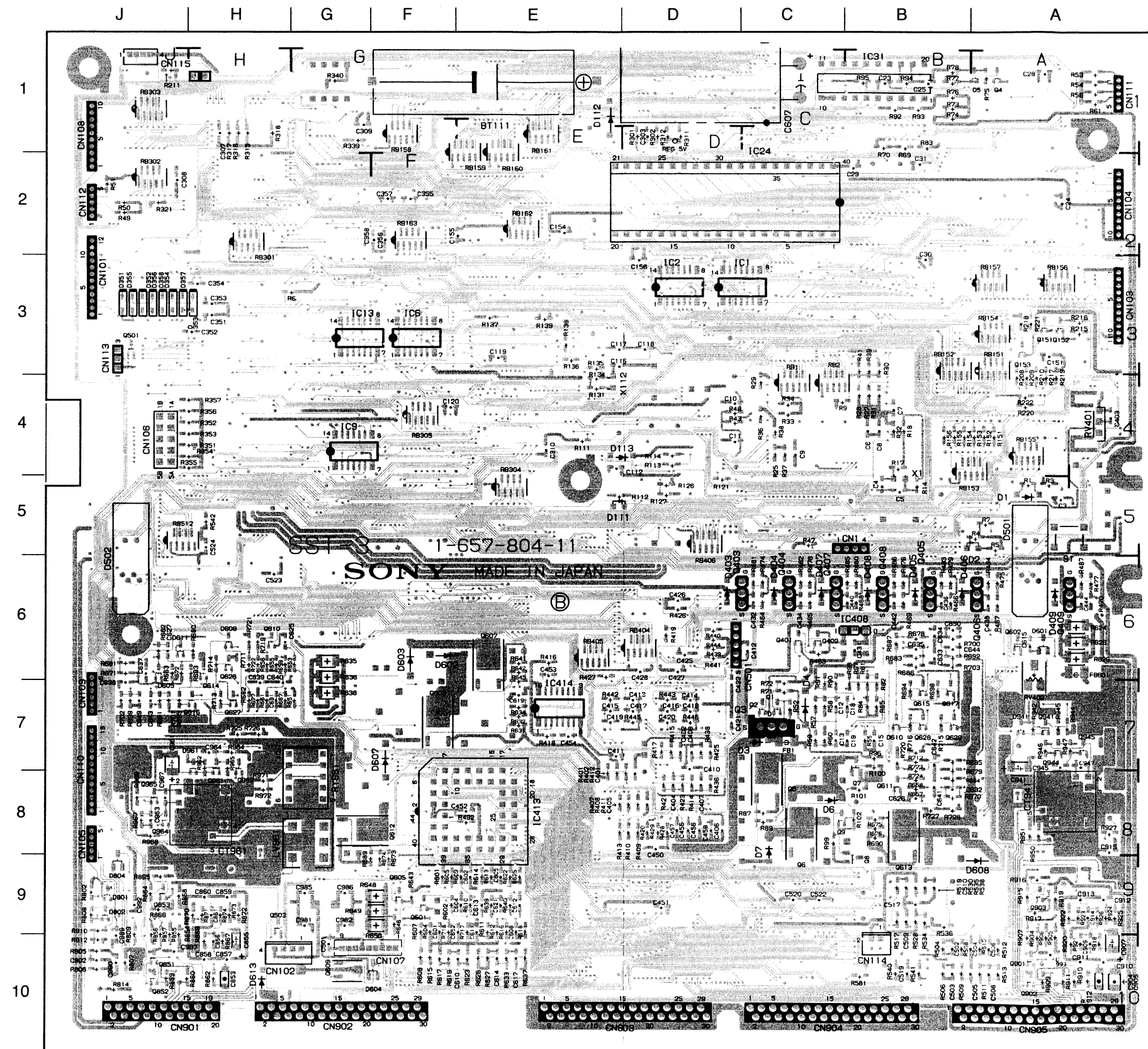


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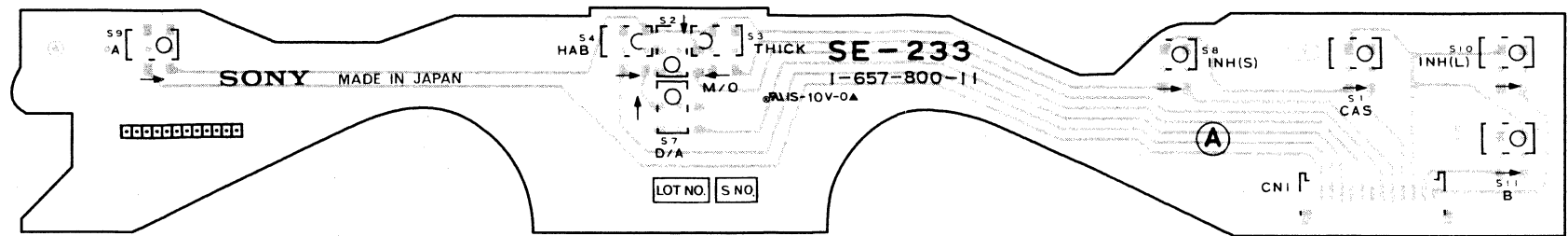




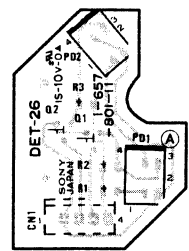
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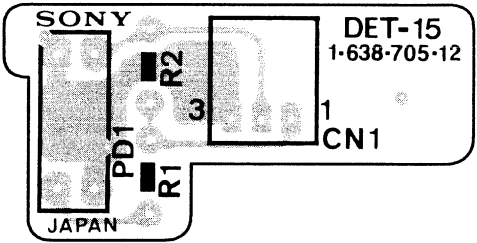
SST-3 - B SIDE -  
1-657-804-11



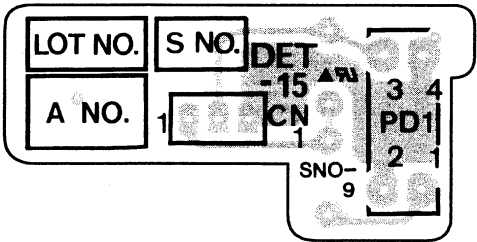
SE-233 - A SIDE -  
1-657-800-11



DET-26 - A SIDE -  
1-657-801-11,-12

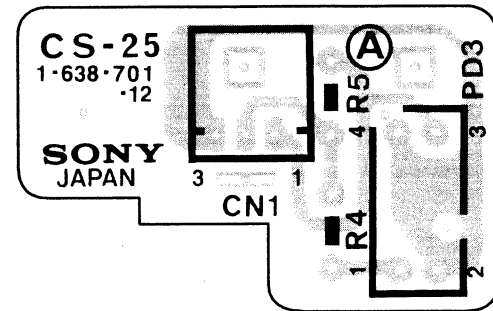


DET-15 - A SIDE -  
1-638-705-12

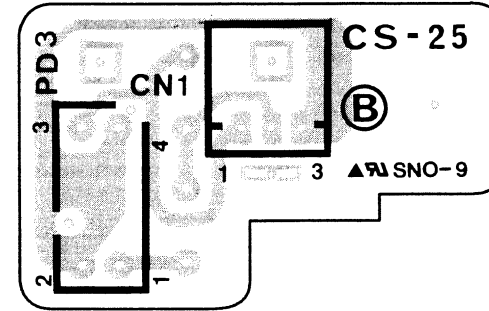


DET-15 - B SIDE -  
1-638-705-12

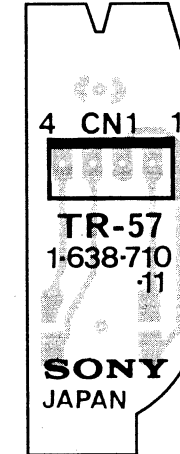




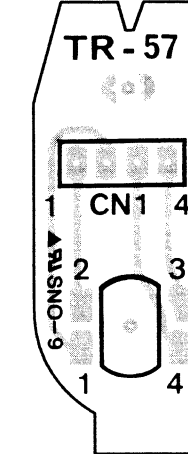
CS-25 - A SIDE -  
1-638-701-12



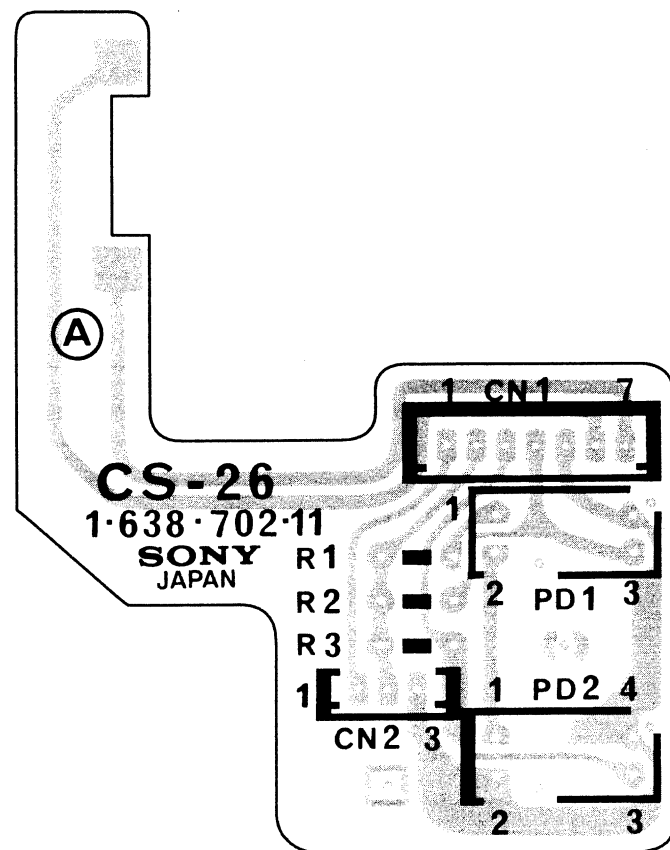
CS-25 - B SIDE -  
1-638-701-12



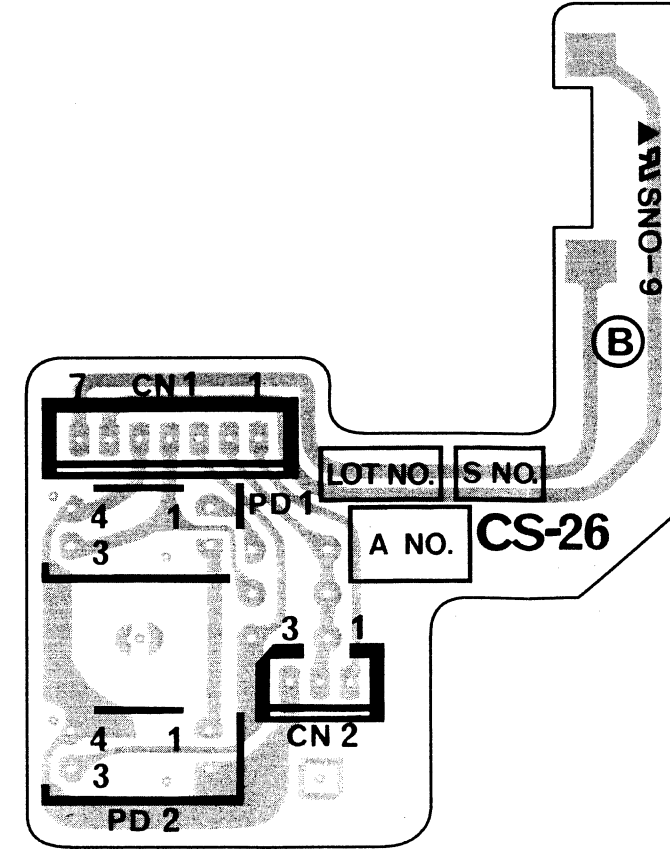
TR-57 - A SIDE -  
1-638-710-11



TR-57 - B SIDE -  
1-638-710-11

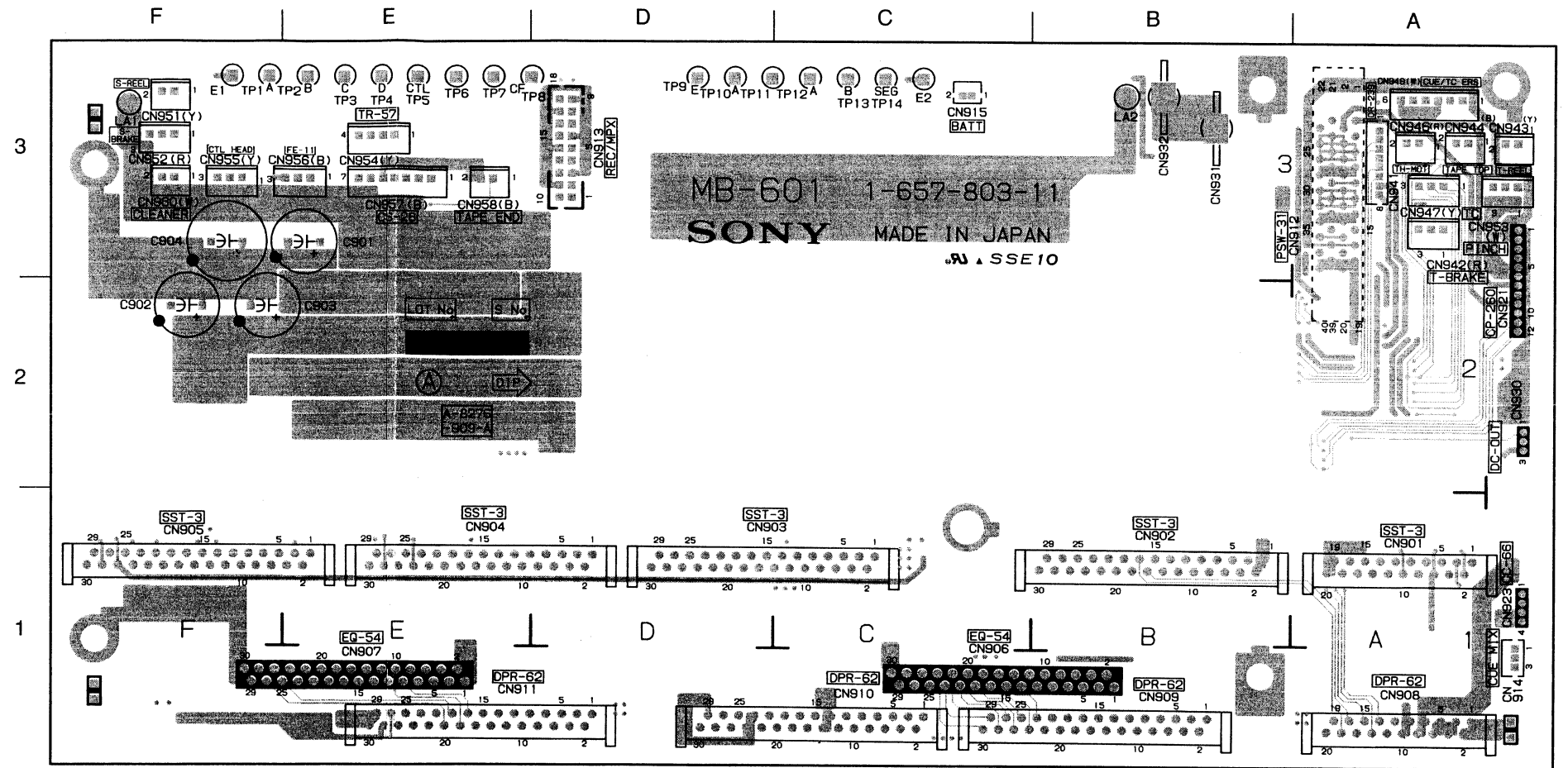


CS-26 - A SIDE -  
1-638-702-11

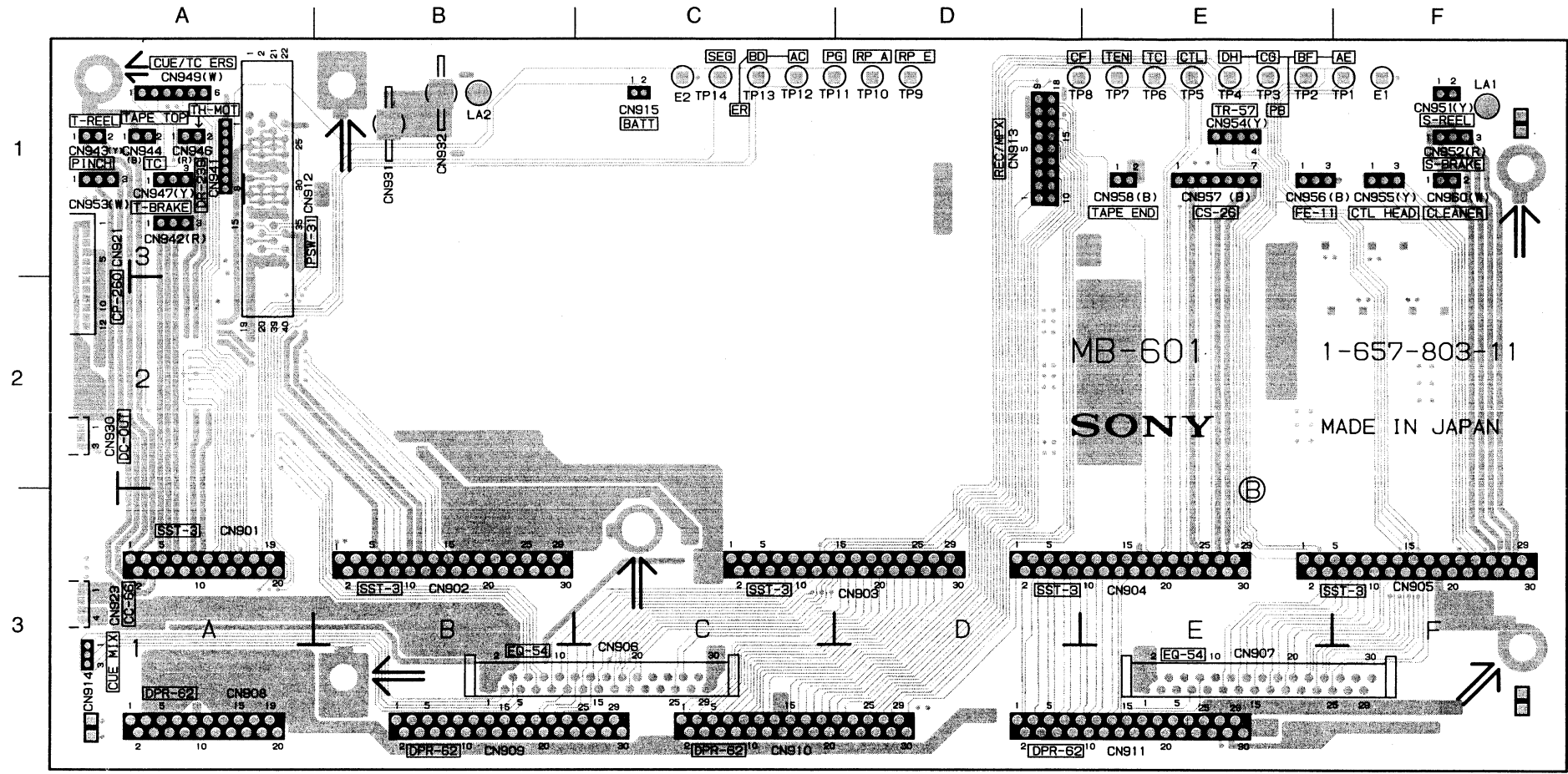


CS-26 - B SIDE -  
1-638-702-11

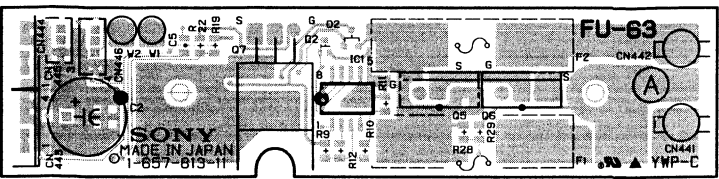
## MB-601 MB-601



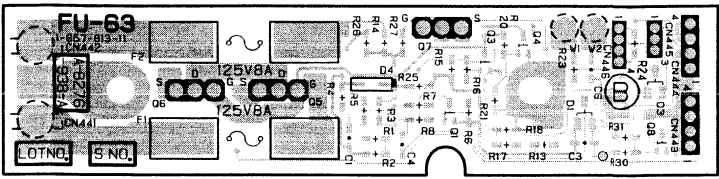
**MB-601** - A SIDE -  
1-657-803-11



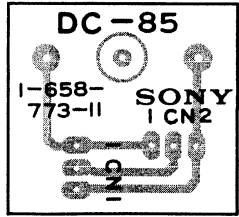
MB-601 - B SIDE -  
1-657-803-11



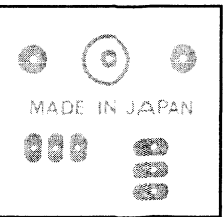
FU-63 - A SIDE -  
1-657-813-11



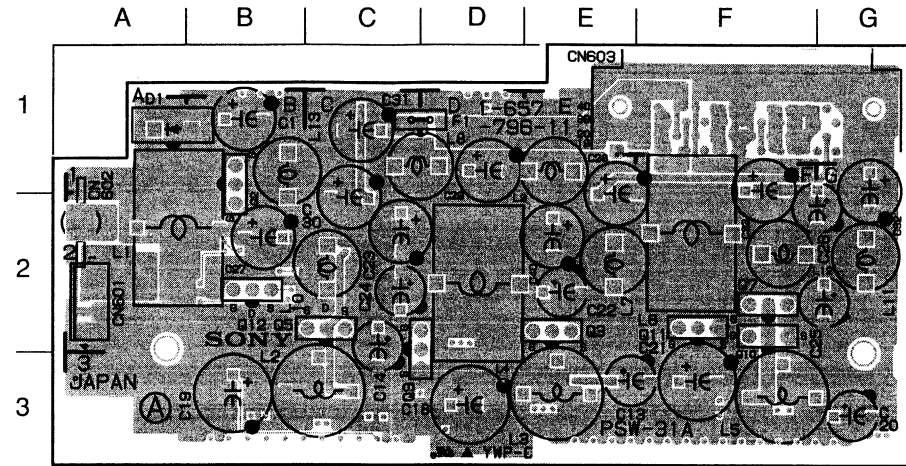
FU-63 - B SIDE -  
1-657-813-11



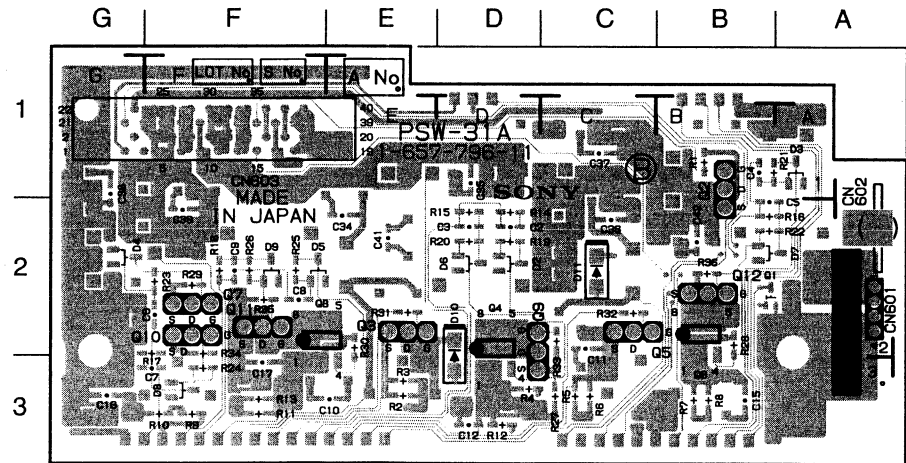
DC-85 - A SIDE -  
1-658-773-11



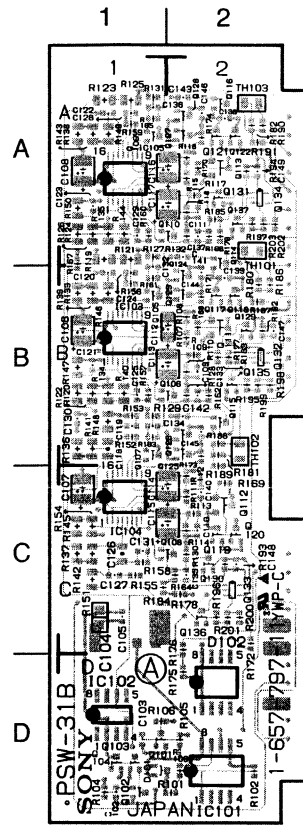
DC-85 - B SIDE -  
1-658-773-11



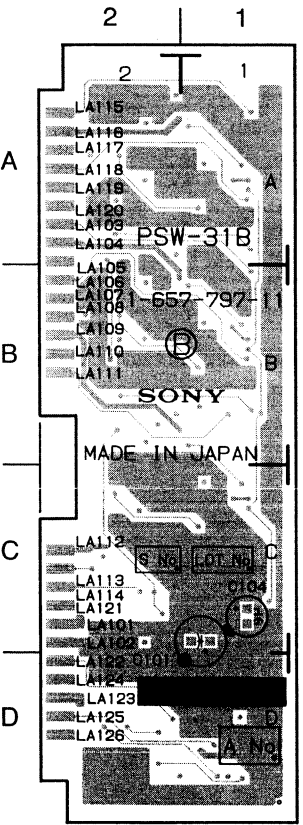
PSW-31A - A SIDE -  
1-657-796-11



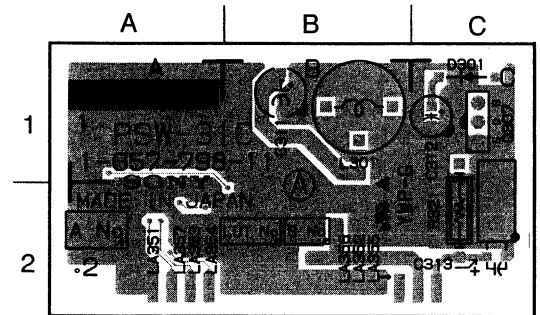
PSW-31A - B SIDE -  
1-657-796-11



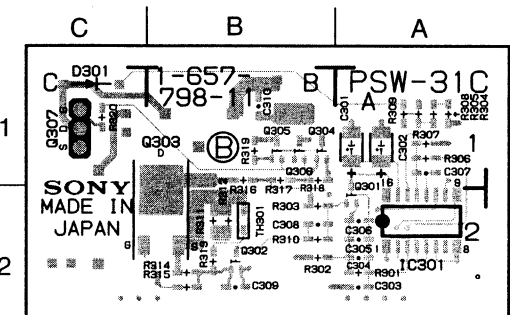
PSW-31B - A SIDE -  
1-657-797-11



PSW-31B - B SIDE -  
1-657-797-11



PSW-31C - A SIDE -  
1-657-798-11



PSW-31C - B SIDE -  
1-657-798-11

## Section 3

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# FRAME WIRING (1/2) FRAME WIRING (1/2)

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

1

2

3

4

5

A

B

C

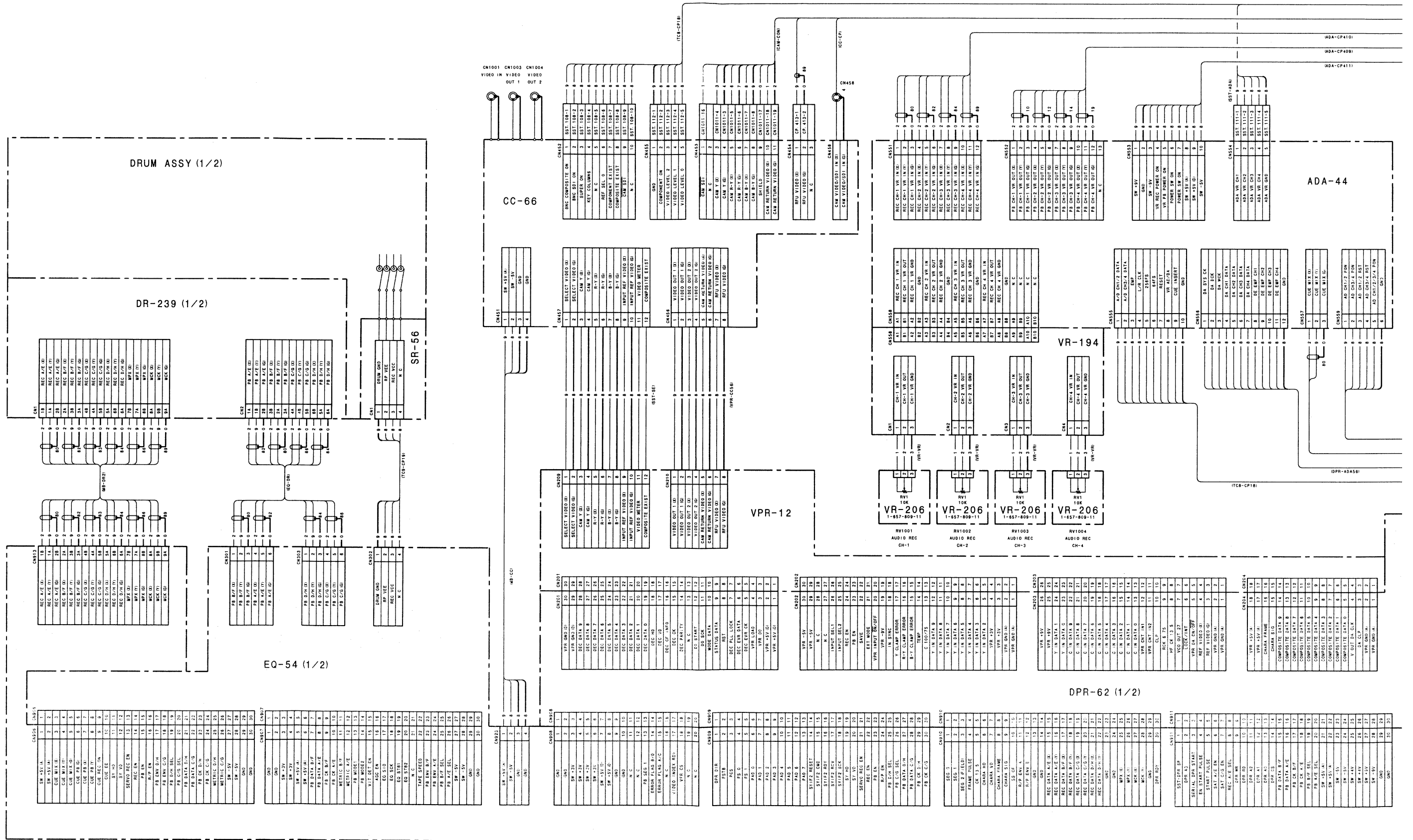
D

E

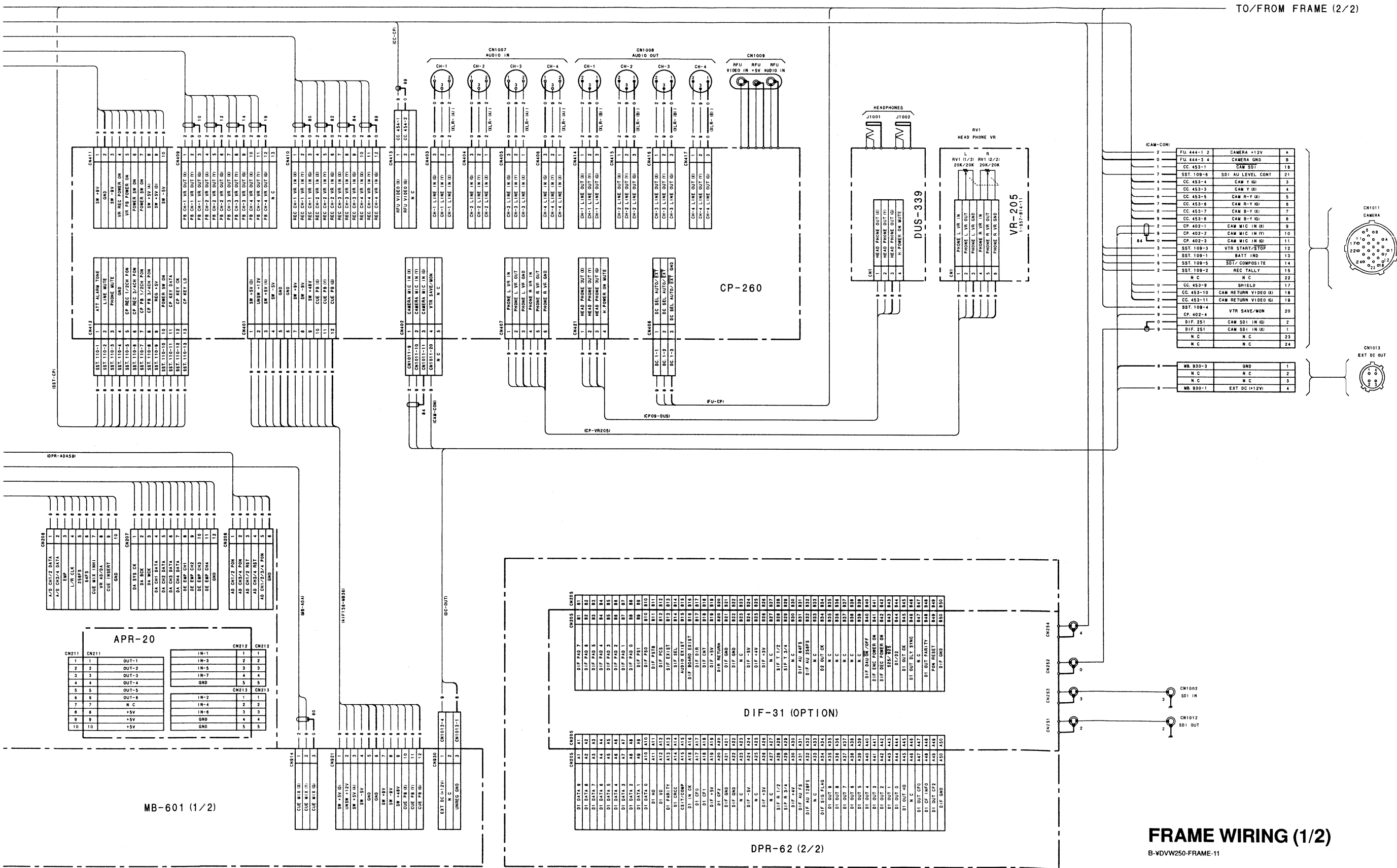
F

G

H



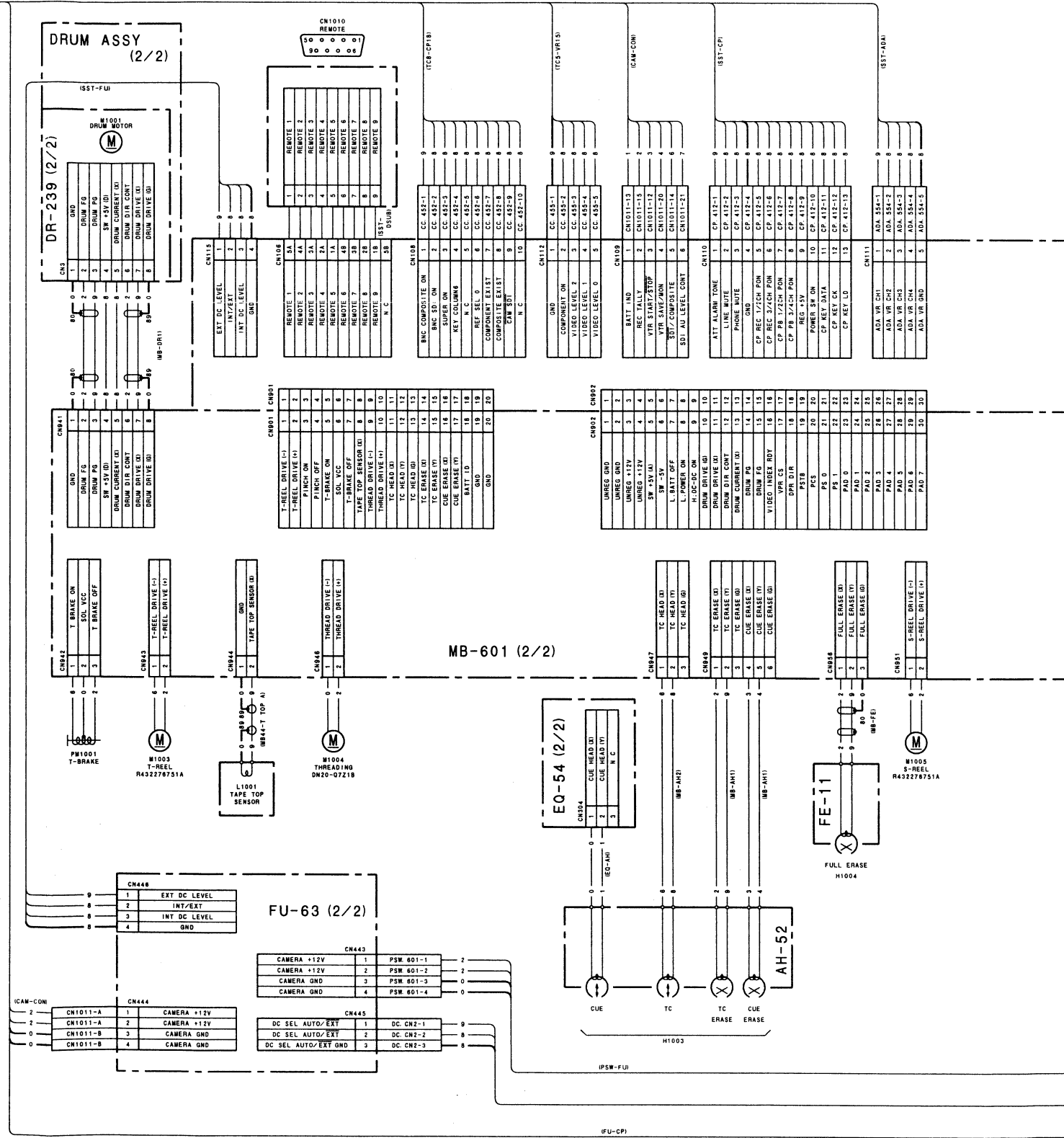




FRAME WIRING (2/2) FRAME WIRING (2/2)

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

TO/FROM FRAME (1/2)







DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

CC-66 (1-657-811-11)

CN451 A1  
CN452 E2  
CN453 C1  
CN454 A2  
CN455 E1  
CN456 B2  
CN457 A2  
CN458 D1

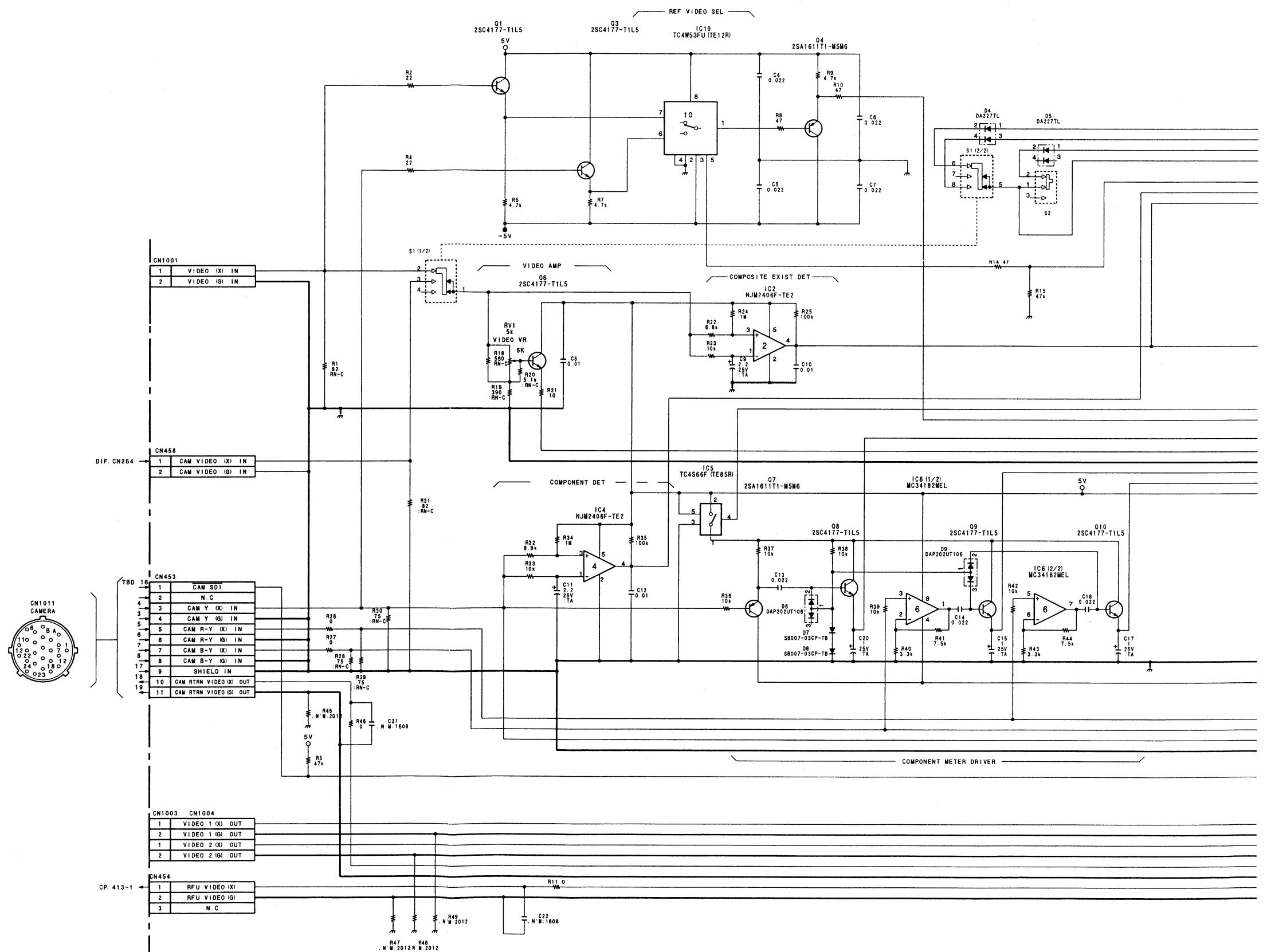
D4 E2  
D5 A2  
D6 D1  
D7 D1  
D8 D1  
D9 C2

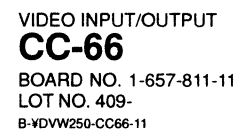
FB2 A1  
IC2 E1  
IC3 E1  
IC4 E1  
IC5 D1  
IC6 D2  
IC10 A1

Q1 \*E2  
Q3 \*C1  
Q4 \*A1  
Q6 E1  
Q7 D1  
Q8 D1  
Q9 D2  
Q10 D1

S1 \*E1  
S2 \*A2

\* : Soldering Side



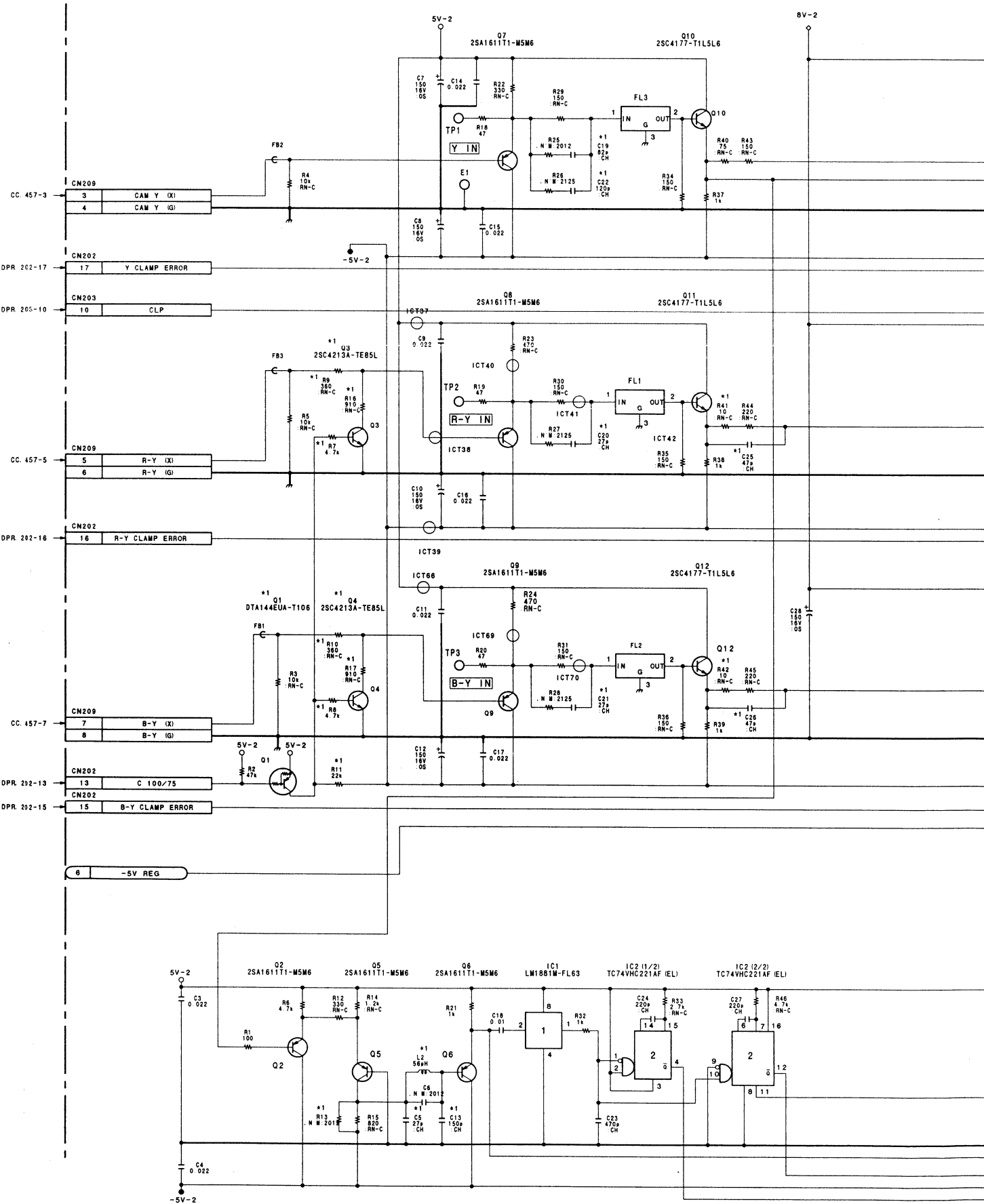


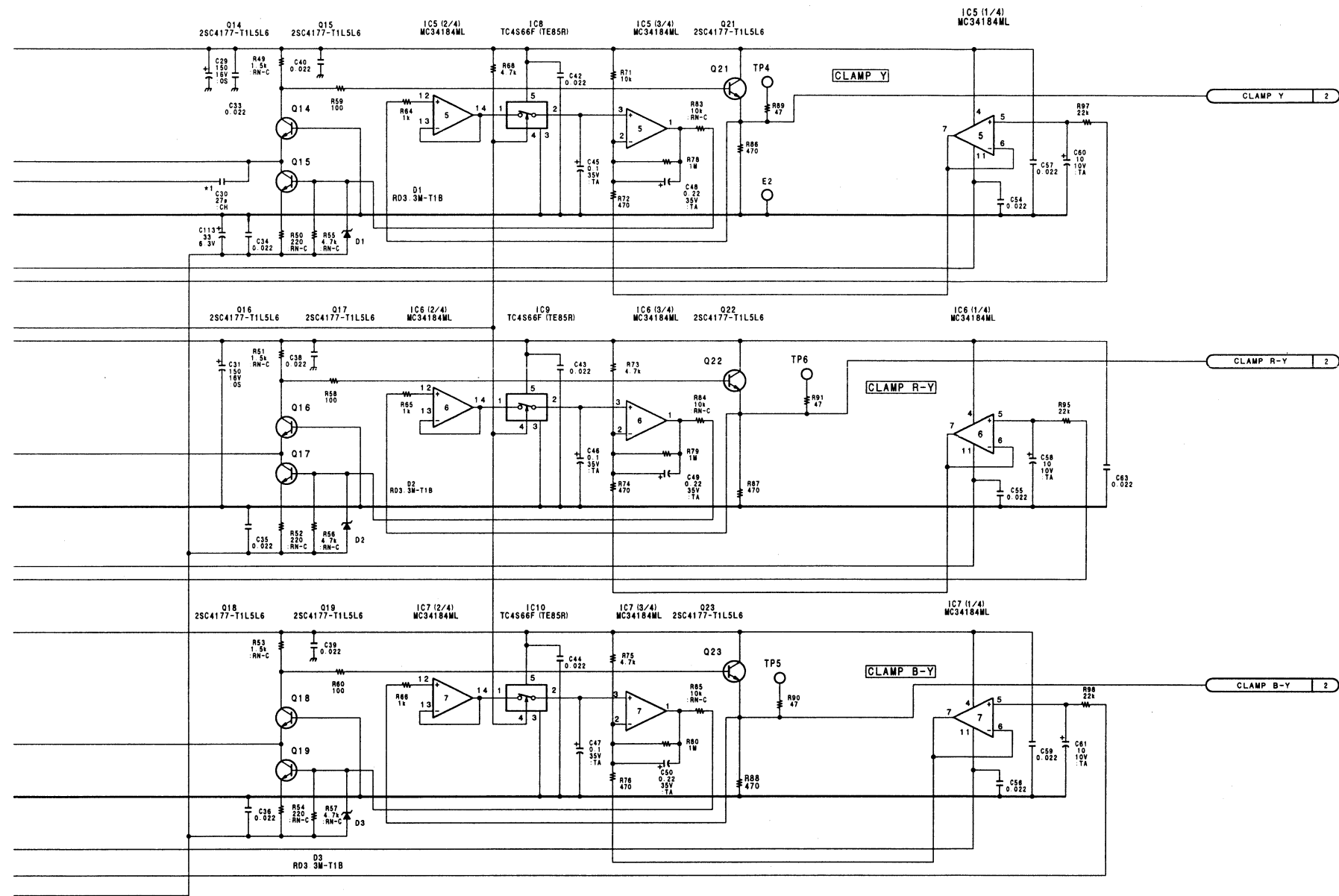
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

VPR-12A (1-657-805-11)

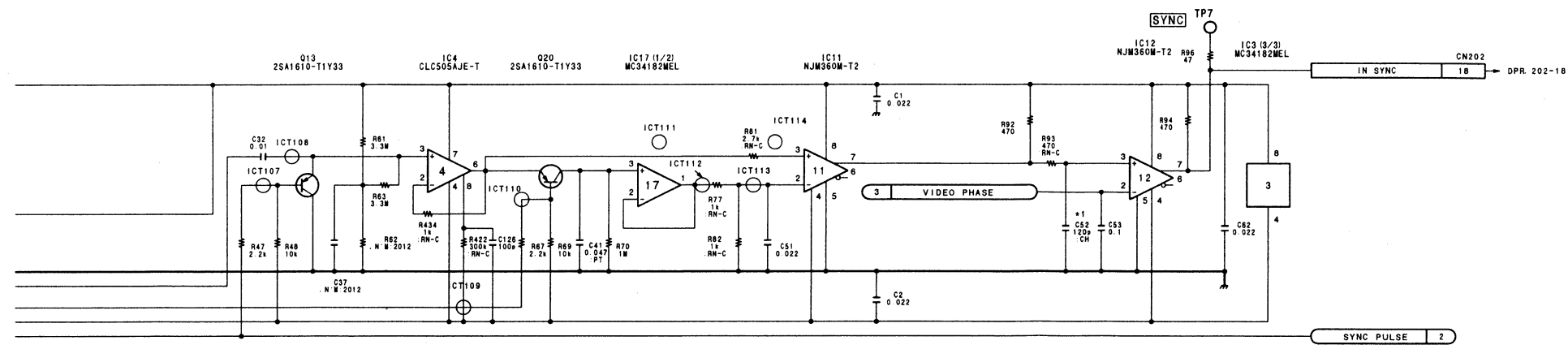
CN201	*B6	IC29	C5	L200	F2	RV500	K3
CN202	*D6	IC30	*D5	L201	E1		
CN203	*F6	IC31	C5	L500	J4	TP1	H3
CN204	*H6	IC32	D5	L501	J4	TP2	H3
CN209	K2	IC33	D5	L502	K4	TP3	H4
CN210	K3	IC34	E5	L503	J3	TP4	F2
		IC36	E3	L504	J3	TP5	F4
CP200	A2	IC37	E5	L700	H6	TP6	F3
		IC38	*F5	L701	D6	TP7	F5
D1	*F3	IC40	E3	L702	C6	TP200	J2
D2	*F4	IC41	D2	L703	F6	TP201	F2
D3	*F4	IC42	C2	L704	E6	TP202	H1
D4	*E5	IC43	C3			TP203	E2
D5	D4	IC44	E4	Q1	*H4	TP204	C3
D10	F1	IC45	E3	Q2	*G5	TP205	C3
D200	*B5	IC200	B5	Q3	*H4	TP206	C4
D201	*C5	IC201	A5	Q4	*H4	TP207	A1
D202	*B5	IC202	B5	Q5	*G5	TP208	E2
D203	*G2	IC203	B5	Q6	G6	TP500	J4
D204	*A1	IC204	B5	Q7	*H2	TP501	J3
D206	*A2	IC205	B5	Q8	*H3	TP502	K3
D207	*D2	IC206	J1	Q9	*H4		
D500	*H5	IC207	G2	Q10	*F2		
D700	J2	IC208	G1	Q11	*F3		
D701	G5	IC209	C1	Q12	*F4		
D702	H2	IC210	F2	Q13	G6		
D703	*K1	IC211	E1	Q14	*F3		
D704	*K5	IC212	H1	Q15	*F3		
		IC213	D1	Q16	*F3		
E1	H3	IC214	G1	Q17	*F3		
E2	E4	IC215	J1	Q18	*F4		
E3	B5	IC216	H1	Q19	*F4		
E200	F2	IC217	D1	Q20	*G5		
E201	F1	IC218	G1	Q21	*F3		
E202	B2	IC219	F1	Q22	*F3		
E203	C2	IC220	D1	Q23	*F4		
E204	A3	IC221	F2	Q24	D5		
E205	C4	IC222	C2	Q25	*E3		
E500	H5	IC223	E2	Q26	*E3		
E501	J3	IC224	C1	Q27	*E4		
		IC225	B2	Q28	*E4		
FB1	J2	IC226	B1	Q29	*E2		
FB2	J2	IC227	E2	Q30	*E3		
FB3	J2	IC228	H5	Q200	*J2		
FB200	J2	IC229	E2	Q201	*J2		
FB201	A2	IC230	B2	Q202	*J2		
FB202	A1	IC231	A2	Q203	*H2		
		IC232	D2	Q204	*F2		
FL1	G3	IC233	B1	Q205	*G2		
FL2	G4	IC234	C2	Q206	*G2		
FL3	G3	IC235	A1	Q207	*E2		
FL200	H2	IC236	A1	Q208	*G2		
FL500	K4	IC237	*B2	Q209	*F2		
		IC238	B2	Q210	*E1		
IC1	G6	IC239	A4	Q211	*D1		
IC2	*G6	IC240	B4	Q212	*D1		
IC3	G5	IC241	A3	Q213	*B1		
IC4	F6	IC242	A4	Q214	*B1		
IC5	F3	IC243	B4	Q215	A4		
IC6	F4	IC244	A3	Q216	*E2		
IC7	F5	IC245	A5	Q217	*E2		
IC8	F3	IC246	A5	Q500	*J5		
IC9	F3	IC247	A5	Q501	*J5		
IC10	F4	IC248	*G1	Q502	J3		
IC11	F5	IC249	*D2	Q700	G5		
IC12	F5	IC500	H6	Q701	G5		
IC13	*F5	IC501	J6	Q702	*D4		
IC14	E4	IC502	H6	Q703	*D3		
IC15	E3	IC503	H5	Q704	*H2		
IC16	E5	IC504	H5	Q705	J1		
IC17	F6	IC505	K5	Q706	J1		
IC18	E3	IC506	J5	Q707	D3		
IC19	E4	IC507	J4	Q708	D3		
IC21	F5	IC508	J4	Q709	*H2		
IC22	C3	IC509	J4	Q710	*J5		
IC23	C4	IC510	J3	Q711	*K5		
IC24	C4	IC511	J3	Q712	J5		
IC25	F5	IC700	D6				
IC26	C3	IC701	E5	RV200	K1		
IC27	C4			RV201	C1		
IC28	C4	L2	G6	RV202	F1		

\* : Soldering Side



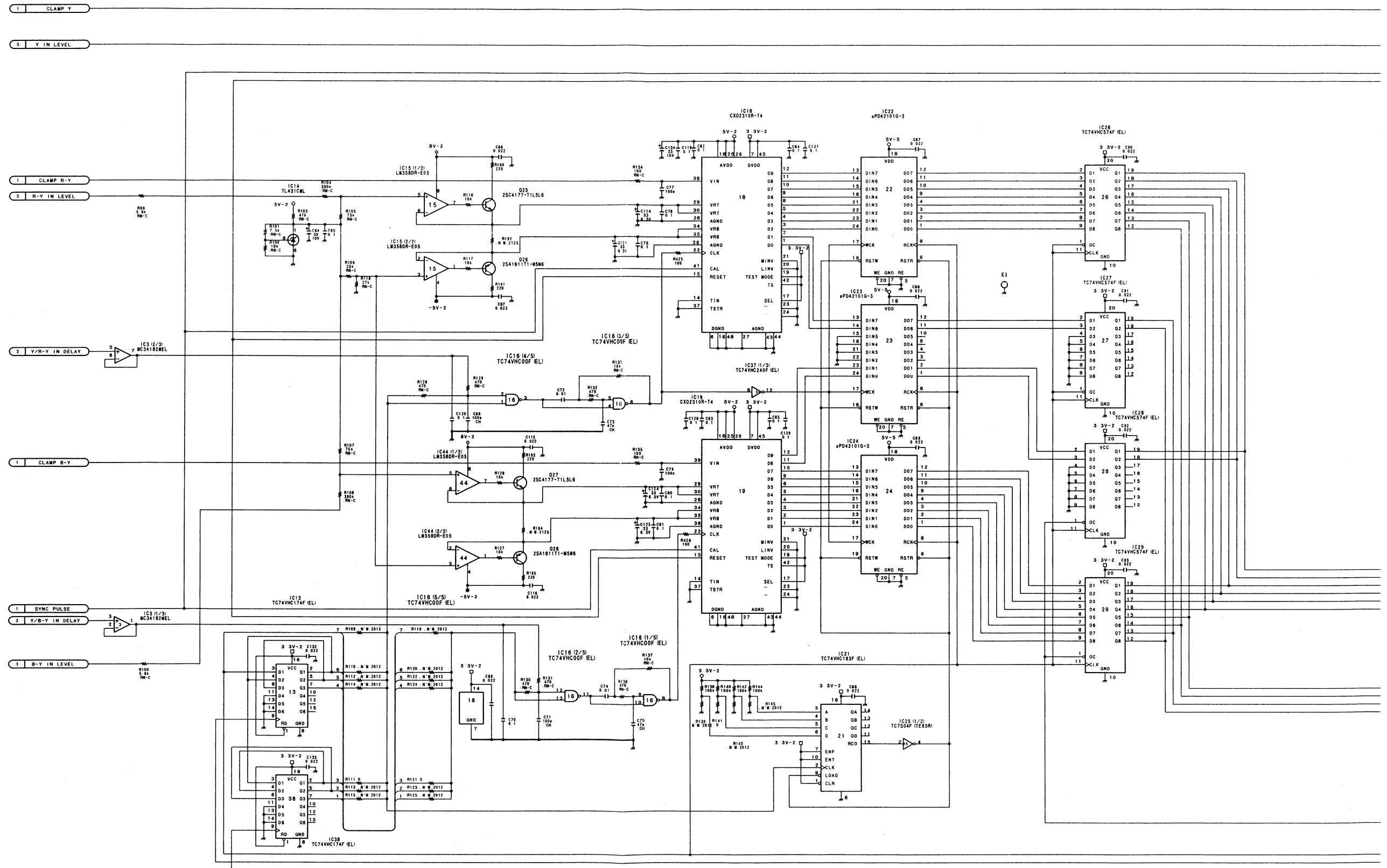


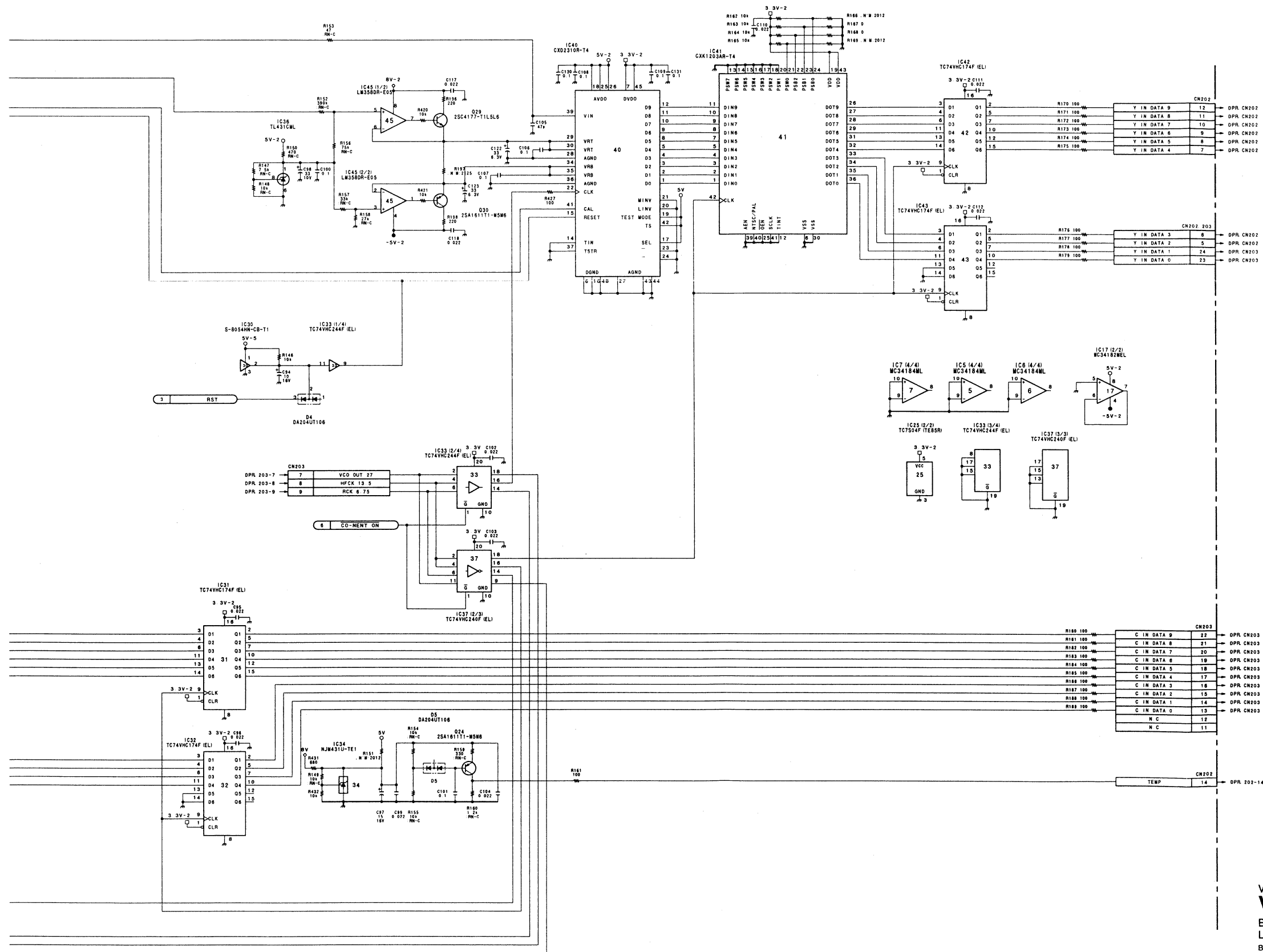
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C19	82P	47P
C20	27P	22P
C21	27P	22P
C22	120P	100P
C5	27P	47P
C13	150P	220P
C25	47P	33P
C26	47P	33P
C30	27P	33P
C52	120P	150P
L2	56UH	82UH
Q3	2SC4213A	N'M
Q4	2SC4213A	N'M
Q1	DTA144EU	N'M
R13	N'M	15K
R9	360	0
R16	910	N'M
R7	4.7K	N'M
R10	360	0
R17	910	N'M
R8	4.7K	N'M
R11	22K	N'M
R41	10	0
R42	10	0



VIDEO SIGNAL PROCESSOR (AD/DA)  
**VPR-12 (1/6)**  
BOARD NO. 1-657-805-11  
LOT NO. 409-  
B-WDVW250-VPR12-11-S/M

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

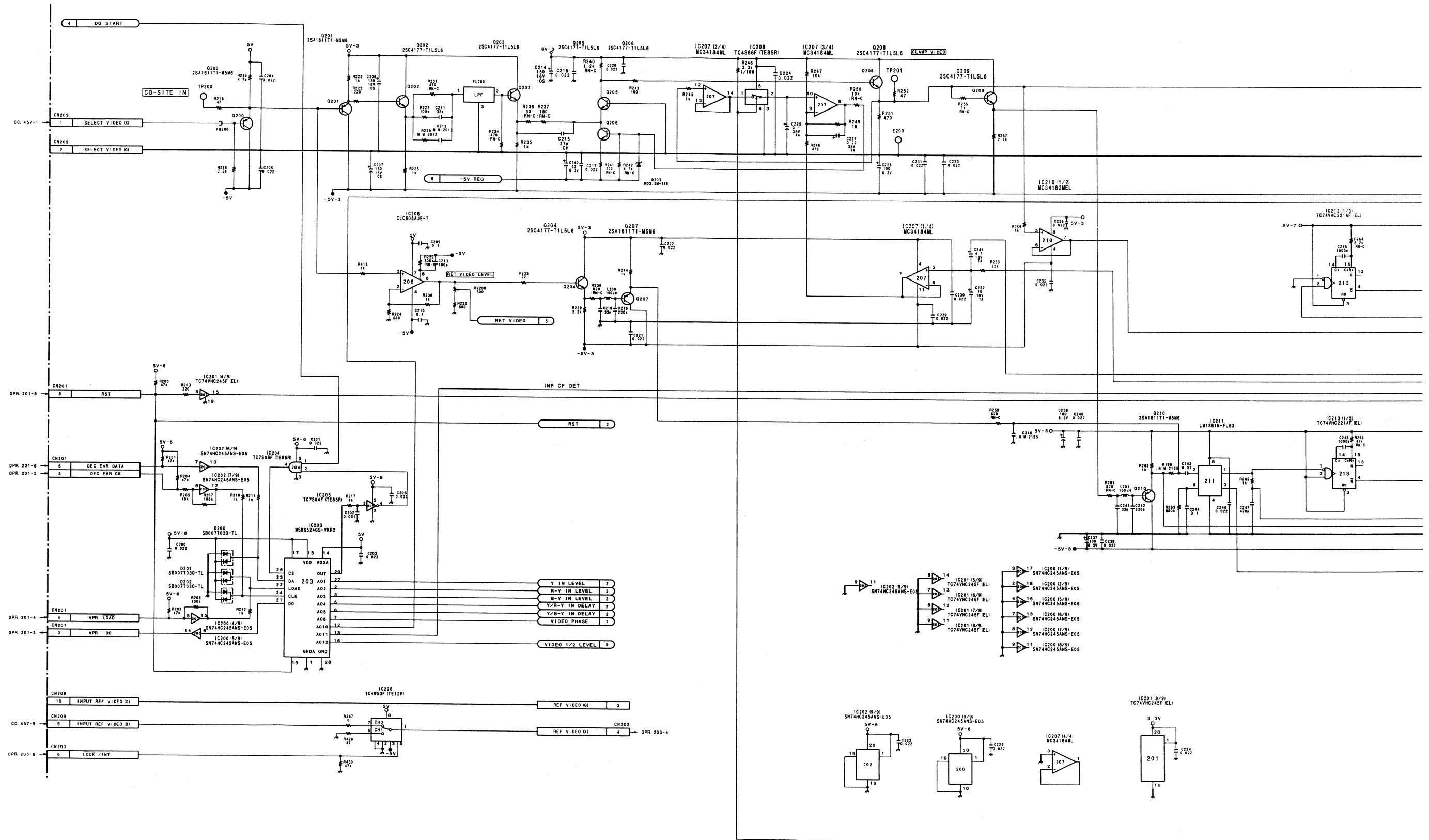
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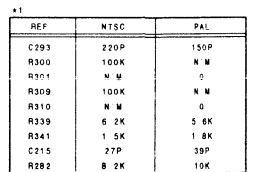


3-12

3-12

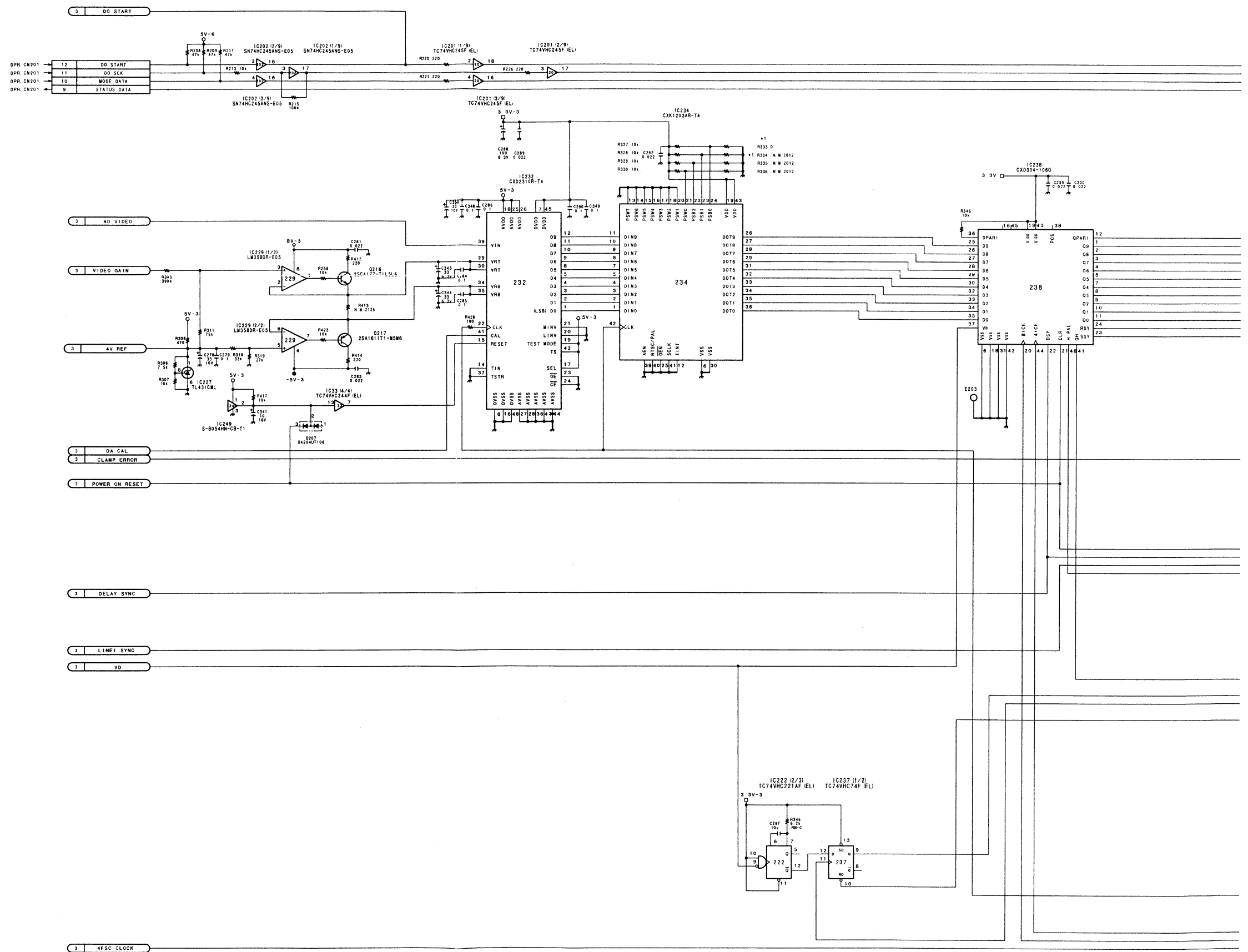
DVW-250/250P

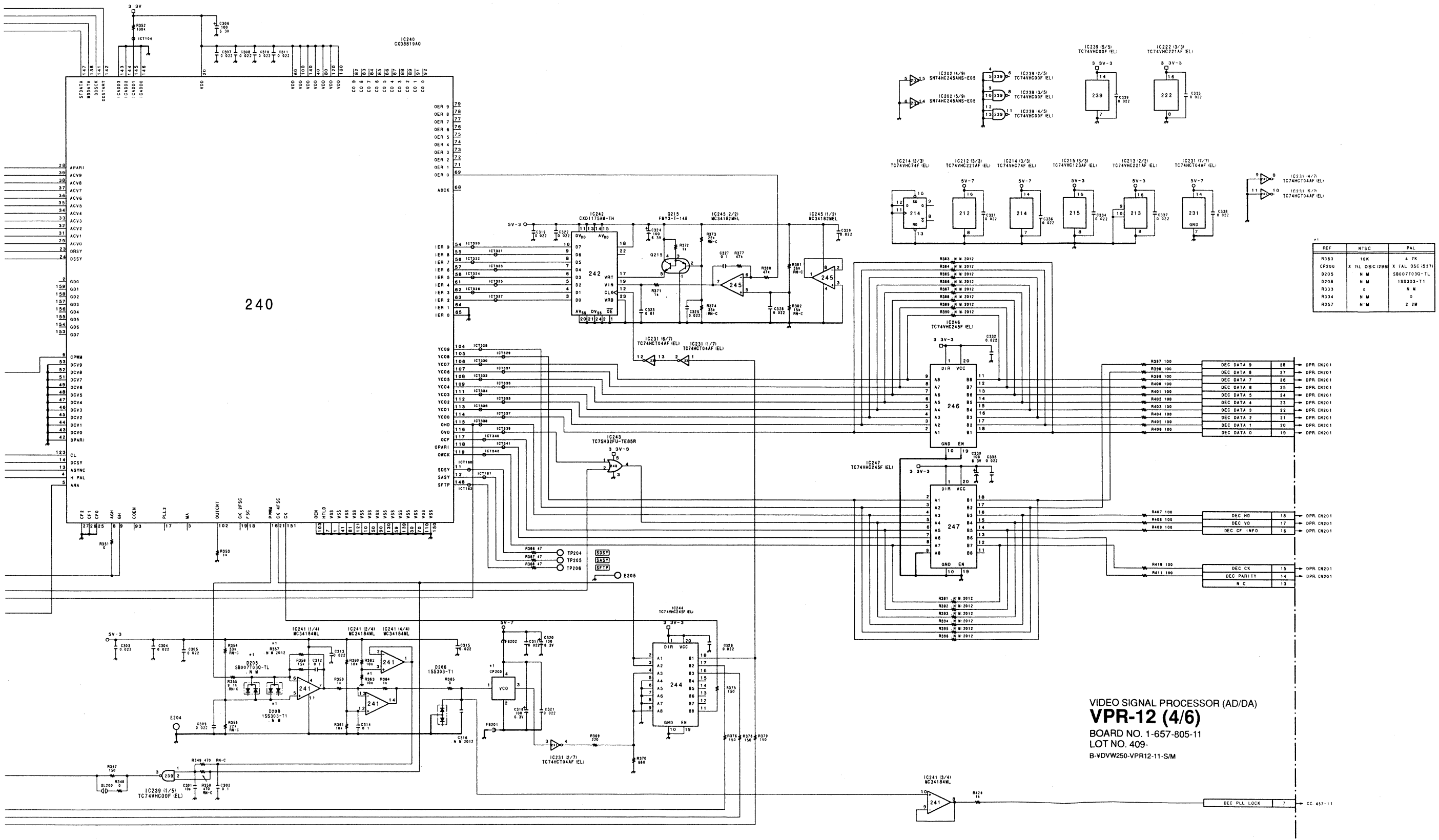




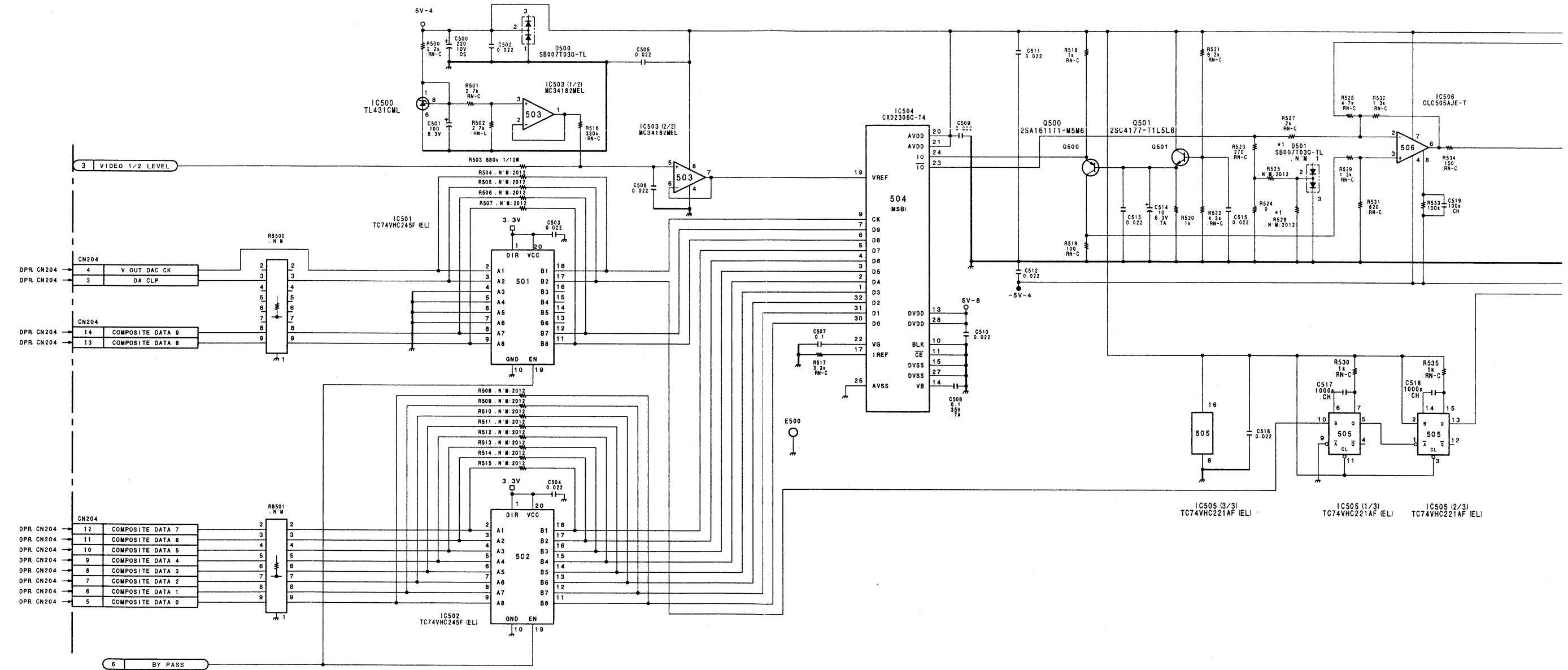
VIDEO SIGNAL PROCESSOR (AD/DA)  
**VPR-12 (3/6)**  
 BOARD NO. 1-657-805-11  
 LOT NO. 409-  
 B-YDVW250-VPR12-11-S/M

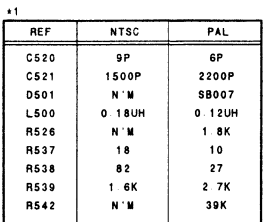
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

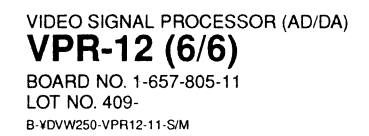




VIDEO SIGNAL PROCESSOR (AD/DA)  
**VPR-12 (5/6)**  
 BOARD NO. 1-657-805-11  
 LOT NO. 409-  
 B-YDWW250-VPR12-11-S/M

## 3-18

DVW-250/250P



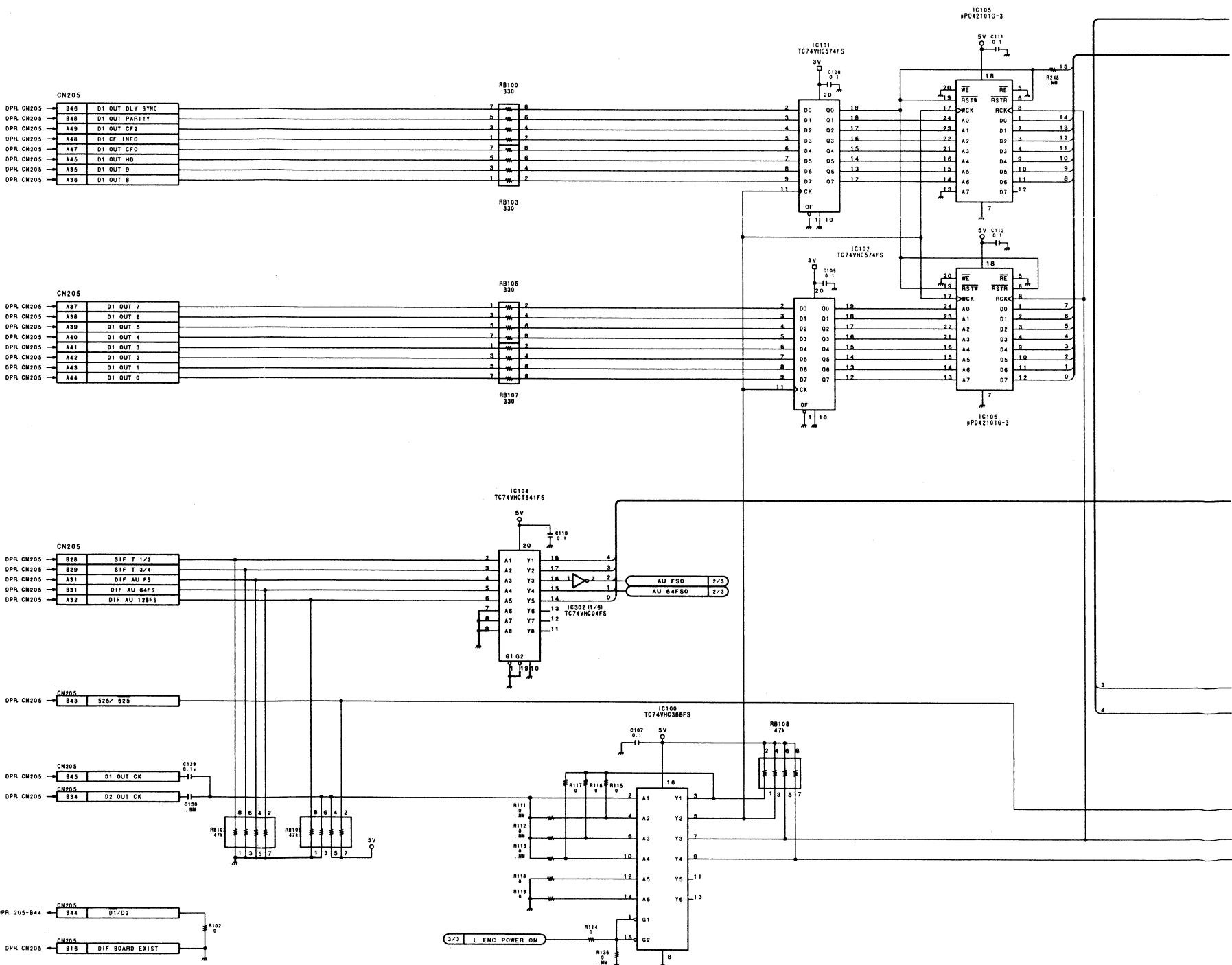


DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

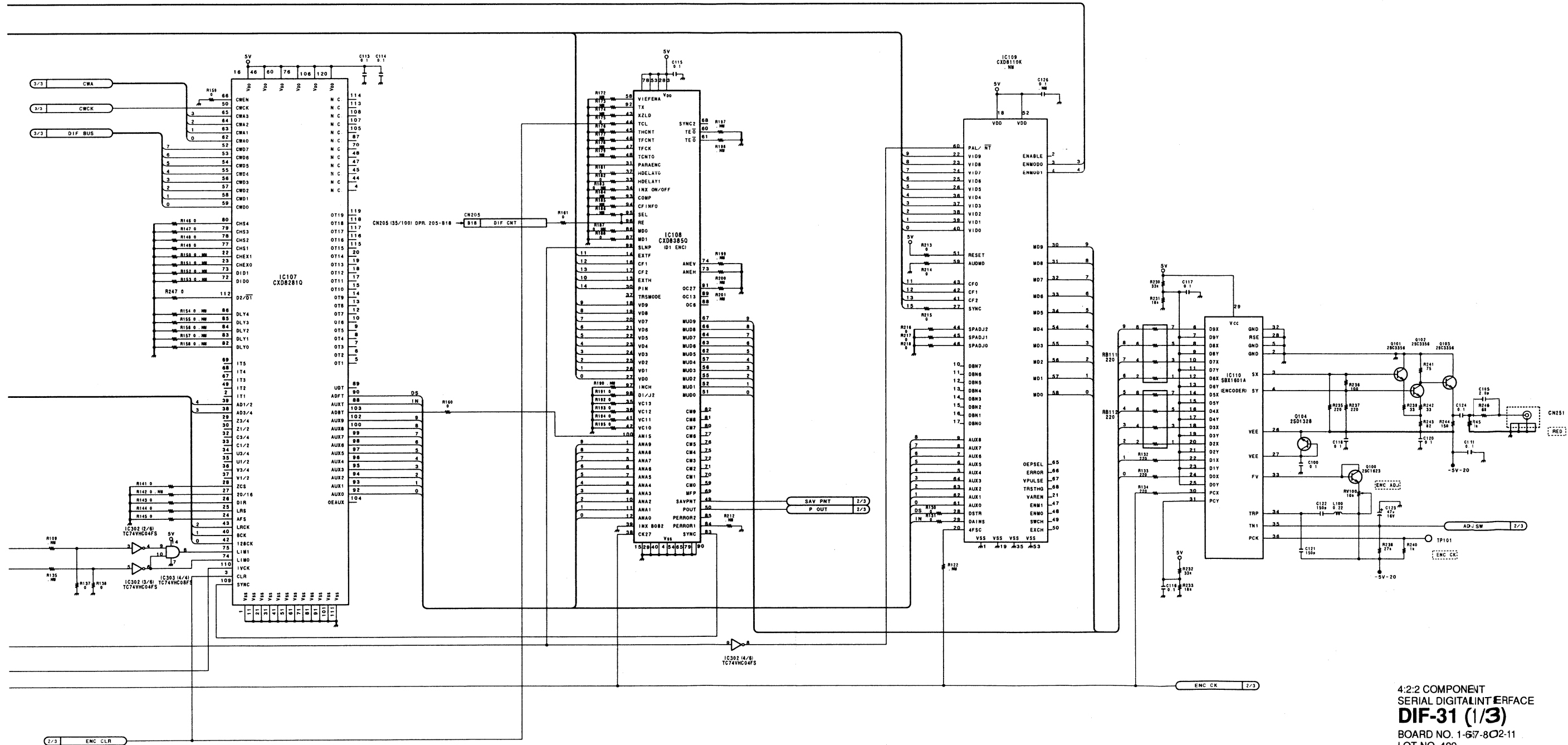
DIF-31 (1-657-802-11)

CN205	D3	Q323	C3
CN251	A3	Q324	B3
CN252	A4	Q325	B3
CN253	A4	Q326	C3
CN254	A3	Q327	B3
		Q328	C3
D200	D2	Q500	D2
		Q501	D3
E300	*D1		
E301	*A2	RB100	*E1
E302	A5	RB102	D2
E303	D5	RB103	*E1
		RB105	D2
FB300	*A3	RB106	*D1
FB301	*A3	RB107	*D1
FB302	*A5	RB108	D2
FB303	B3	RB111	*A2
FB304	B3	RB112	*B2
FB305	*D3	RB300	B3
FB310	*A5	RB301	*D3
		RB310	B4
IC100	D2	RB311	B4
IC101	*D1	RB312	B3
IC102	*D1	RB500	D4
IC104	D2	RB501	D3
IC105	*D1	RB502	D4
IC106	*D2		
IC107	*C1	RV100	*B3
IC108	B1	RV300	*A3
IC110	*B2		
IC300	A3	S300	*C4
IC301	*B4		
IC302	C2	TP101	*B3
IC303	C2	TP301	*A4
IC304	C4	TP303	*C3
IC305	*B4		
IC306	C3		
IC308	B5		
IC309	D5		
IC310	D5		
IC311	D4		
IC312	*D4		
IC313	C2		
IC500	D4		
IC501	D3		
IC502	C4		
IC503	D4		
IC504	D3		
IC505	C3		
IC506	C3		
IC508	C4		
IC511	C5		
L100	B3		
Q100	B3		
Q101	A3		
Q102	A2		
Q103	A2		
Q104	*B3		
Q300	A4		
Q301	A3		
Q302	A3		
Q303	*A3		
Q306	B3		
Q307	C4		
Q308	B4		
Q309	C4		
Q310	B4		
Q311	C4		
Q312	B4		
Q313	C4		
Q314	B4		
Q315	C4		
Q316	B4		
Q317	C4		
Q318	B4		
Q319	B3		
Q320	B3		
Q321	C3		
Q322	B3		

\* : Soldering Side







4:2:2 COMPONENT  
SERIAL DIGITAL INTERFACE  
**DIF-31 (1/3)**  
BOARD NO. 1-637-802-11  
LOT NO. 409-  
B-VDVW250-DIF31-11

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

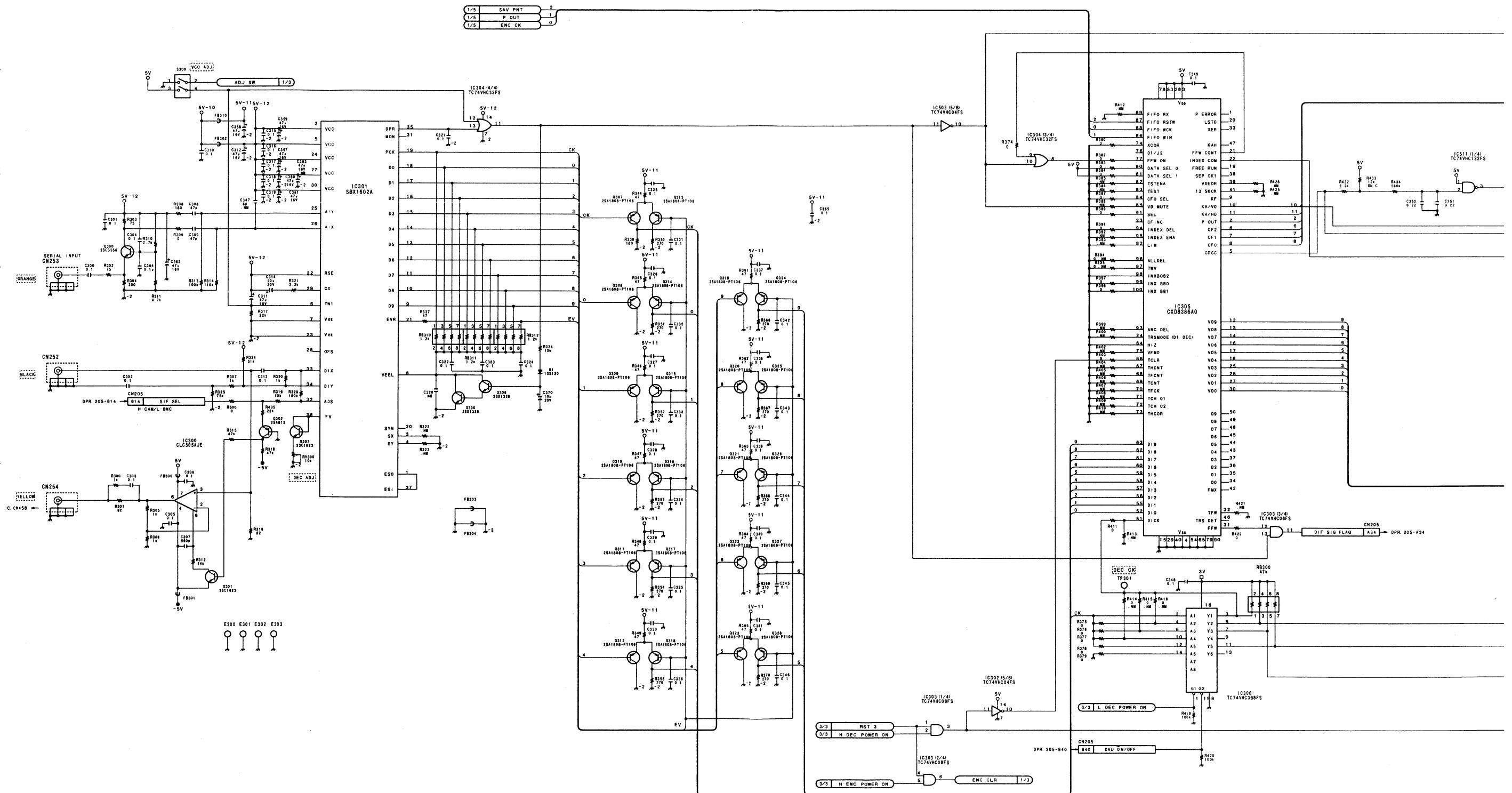
1

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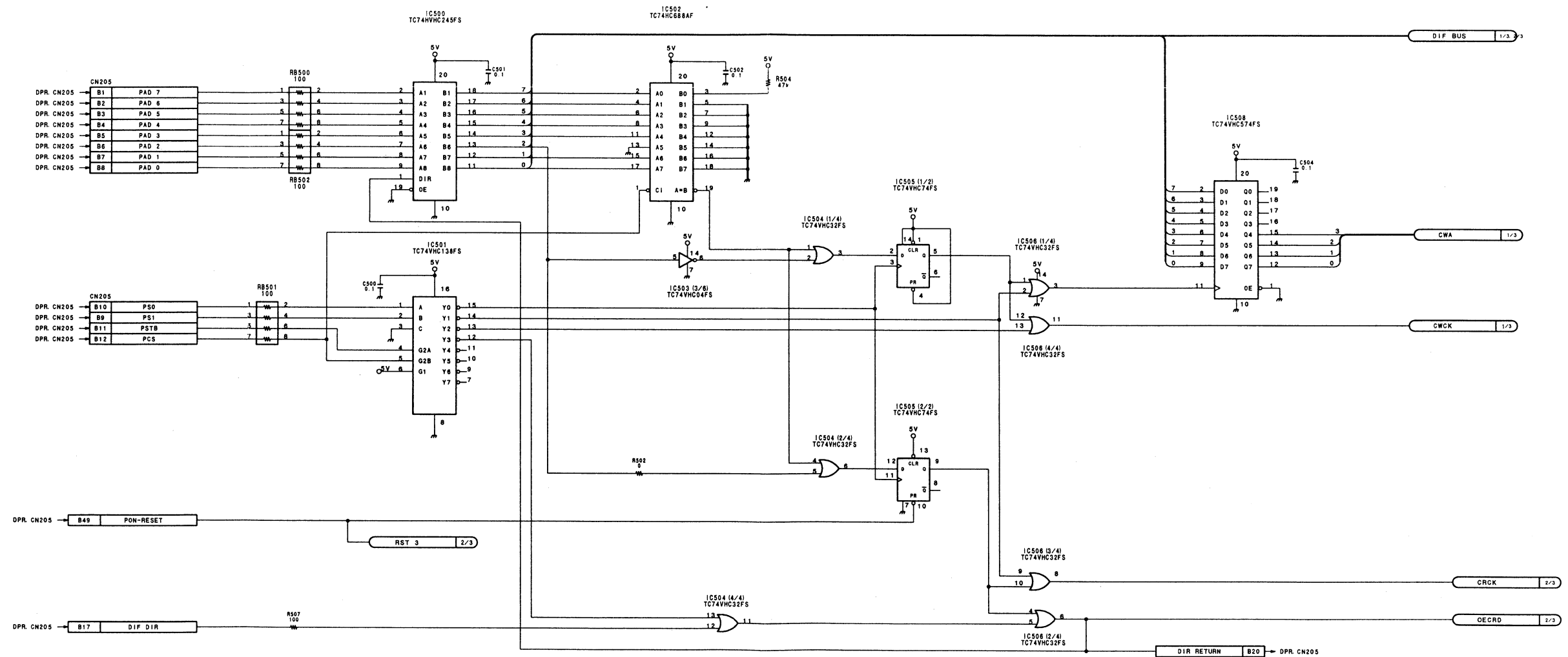
4

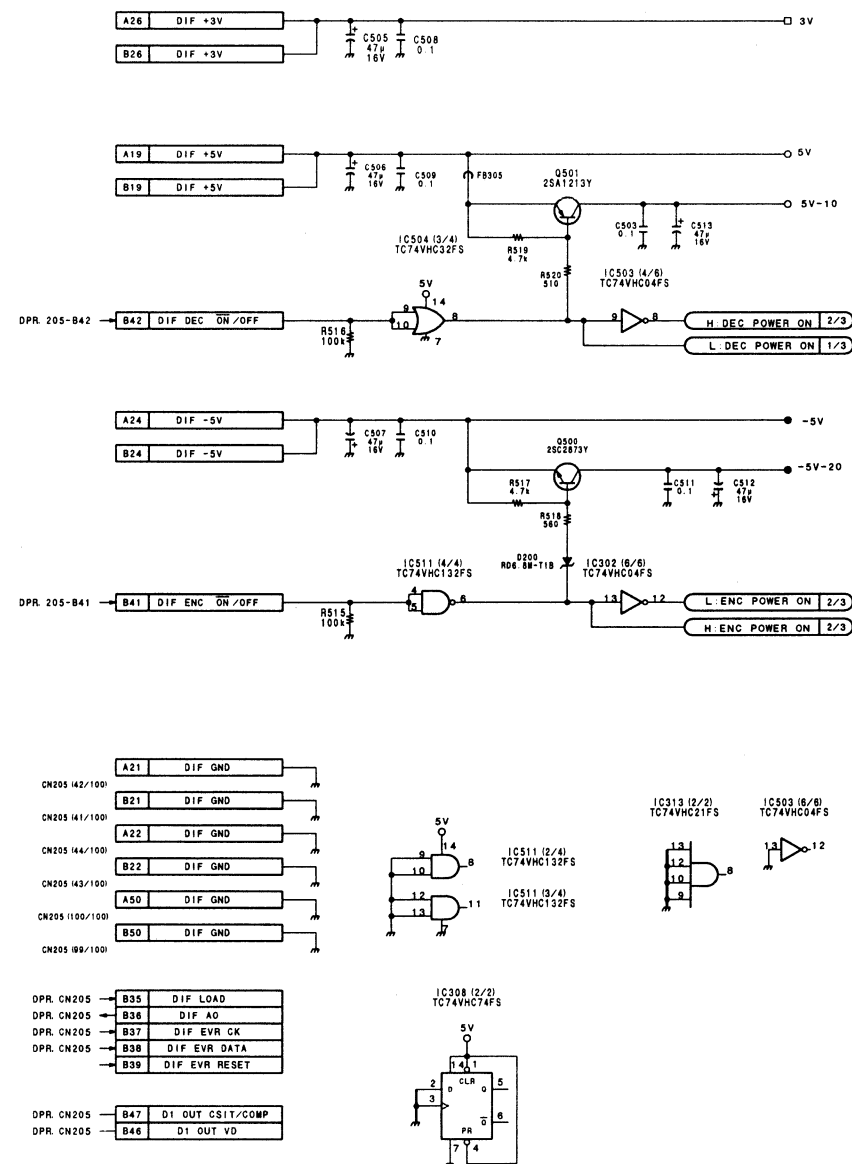
5





DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





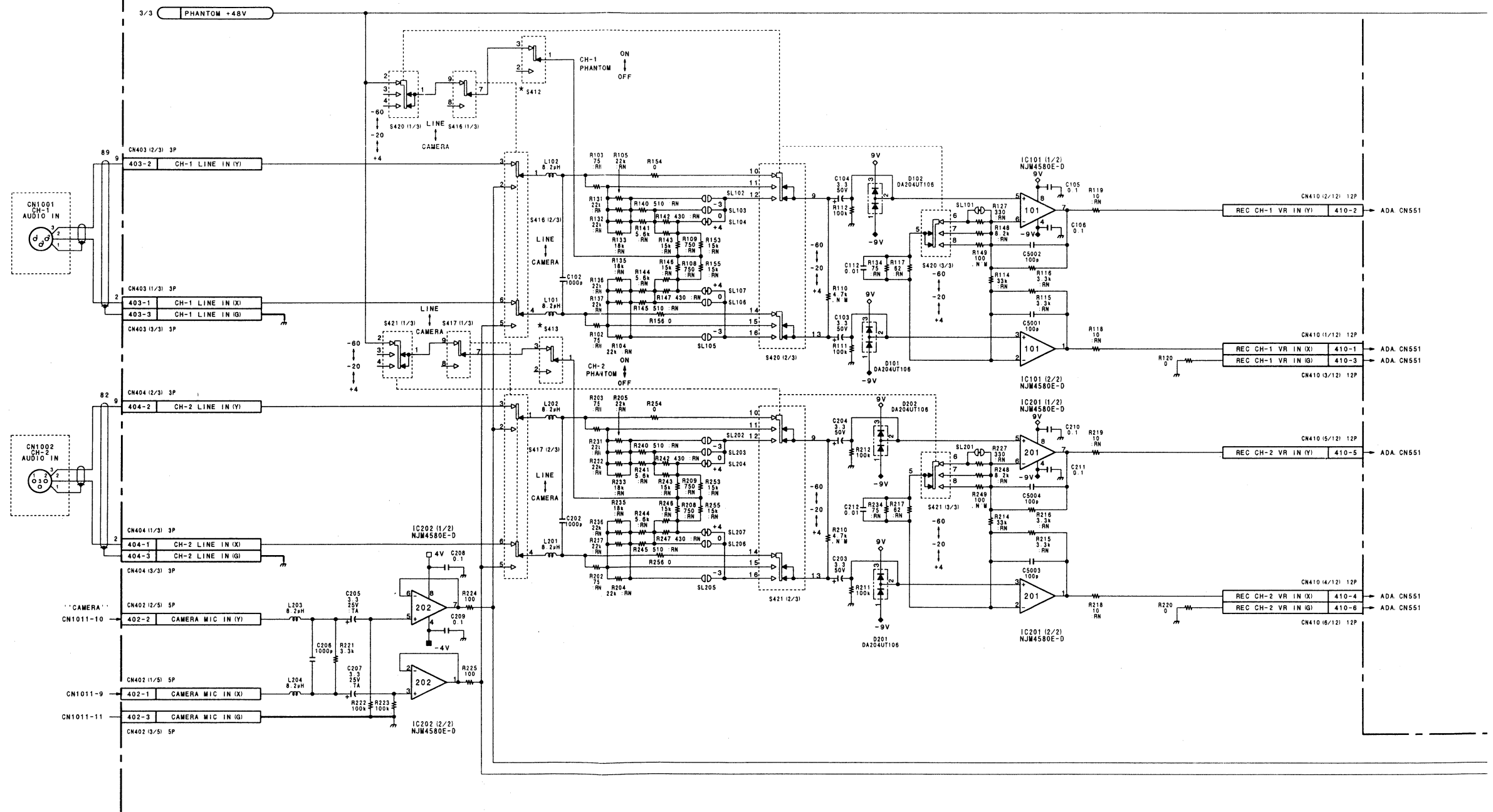
4:2:2 COMPONENT  
SERIAL DIGITAL INTERFACE  
**DIF-31 (3/3)**  
BOARD NO. 1-657-802-11  
LOT NO. 409-  
B-VDVW250-DIF31-11

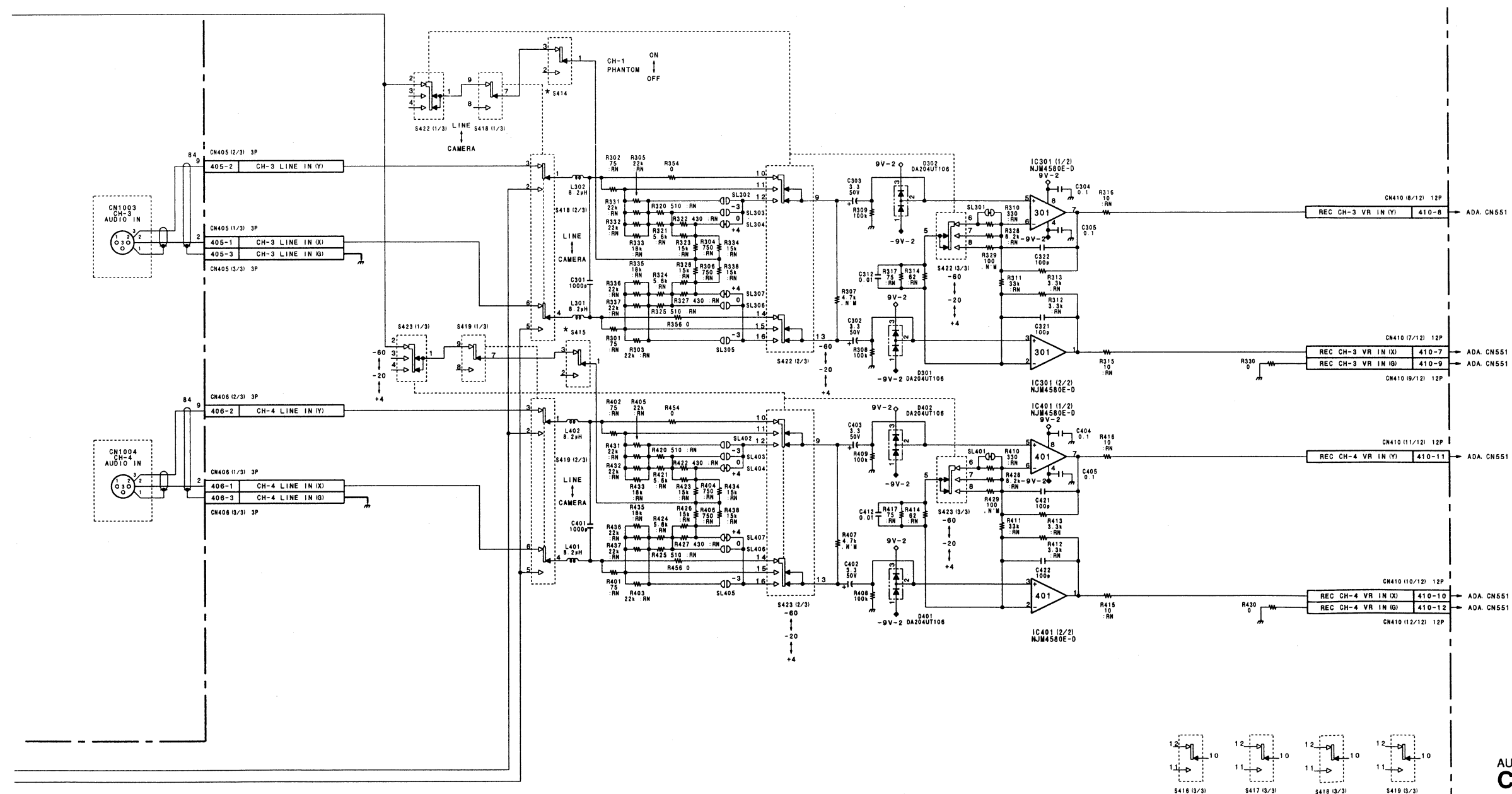
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

CP-260 (1-657-812-11)

1	CN401	K2	L402	*J1
	CN402	K2	L1001	*K2
	CN403	G2		
	CN404	H2	Q551	E2
	CN405	H2	Q601	*B1
	CN406	J2	Q602	*C1
	CN407	B2	Q701	*B1
	CN408	L2	Q702	*B1
	CN409	A2	Q801	D1
	CN410	B2	Q802	D2
	CN411	B2	Q901	C2
	CN412	L1	Q902	C1
	CN413	L2	Q1001	*L1
	CN414	G2	Q1002	*L1
	CN415	H2	Q1003	K1
	CN416	H2	Q1005	K1
	CN417	J2	Q1006	*L2
2	CN421	B1	Q1007	*L2
	CN1009	L2	Q1008	*F1
			Q1009	*E1
			Q1010	*G1
	D101	*F1	Q1011	*G1
	D102	*E1	Q1012	*E1
	D201	*F1	Q1013	*E2
	D202	*G1	Q1014	*E1
	D301	*H1	Q1015	*E2
	D302	*H1	Q1016	J1
	D401	*H1	Q1017	*F2
	D601	*G2	Q1018	*F2
	D602	*G2	Q1019	G1
	D801	*H2	Q1020	G1
	D802	*J2	Q2001	*L2
	D1004	*L2	Q2002	*L1
	D1005	*F1	Q2003	*L2
	D1006	*F1	Q2004	*L1
	D1007	*F1	Q2005	*L2
3	D1008	*G1		
	D1009	*G1	RV551	*J1
	D1010	*G1		
	D1011	*F2	S401	C2
	D1012	*E1	S402	C2
	D1013	*E2	S403	D2
	D1014	*E1	S404	D2
	D1015	*E1	S405	C2
	D1016	*E1	S406	C2
	E551	J1	S407	D2
			S408	D2
			S409	D2
	IC101	*F1	S410	E2
	IC201	*G1	S411	E2
	IC202	J2	S412	F1
	IC301	*H1	S413	G1
	IC401	*J1	S414	H1
	IC551	E2	S415	J1
	IC552	D2	S416	F2
	IC553	*C2	S417	G2
	IC554	*C2	S418	H2
	IC601	*A1	S419	J2
	IC602	*A2	S420	F2
	IC603	*A1	S421	G2
	IC701	*B1	S422	H2
	IC703	*B2	S423	J2
	IC801	*E1	S424	L2
	IC802	*B2		
	IC803	*D1	TP551	J1
	IC901	*D1		
	IC903	*C1		
	IC1001	K1		
	IC1004	K1		
	IC1007	L1		
	IC2001	*L2		
5	L101	*F1		
	L102	*F1		
	L201	*G1		
	L202	*G1		
	L203	K2		
	L204	K2		
	L301	*H1		
	L302	*H1		
	L401	*J1		

\* : Soldering Side



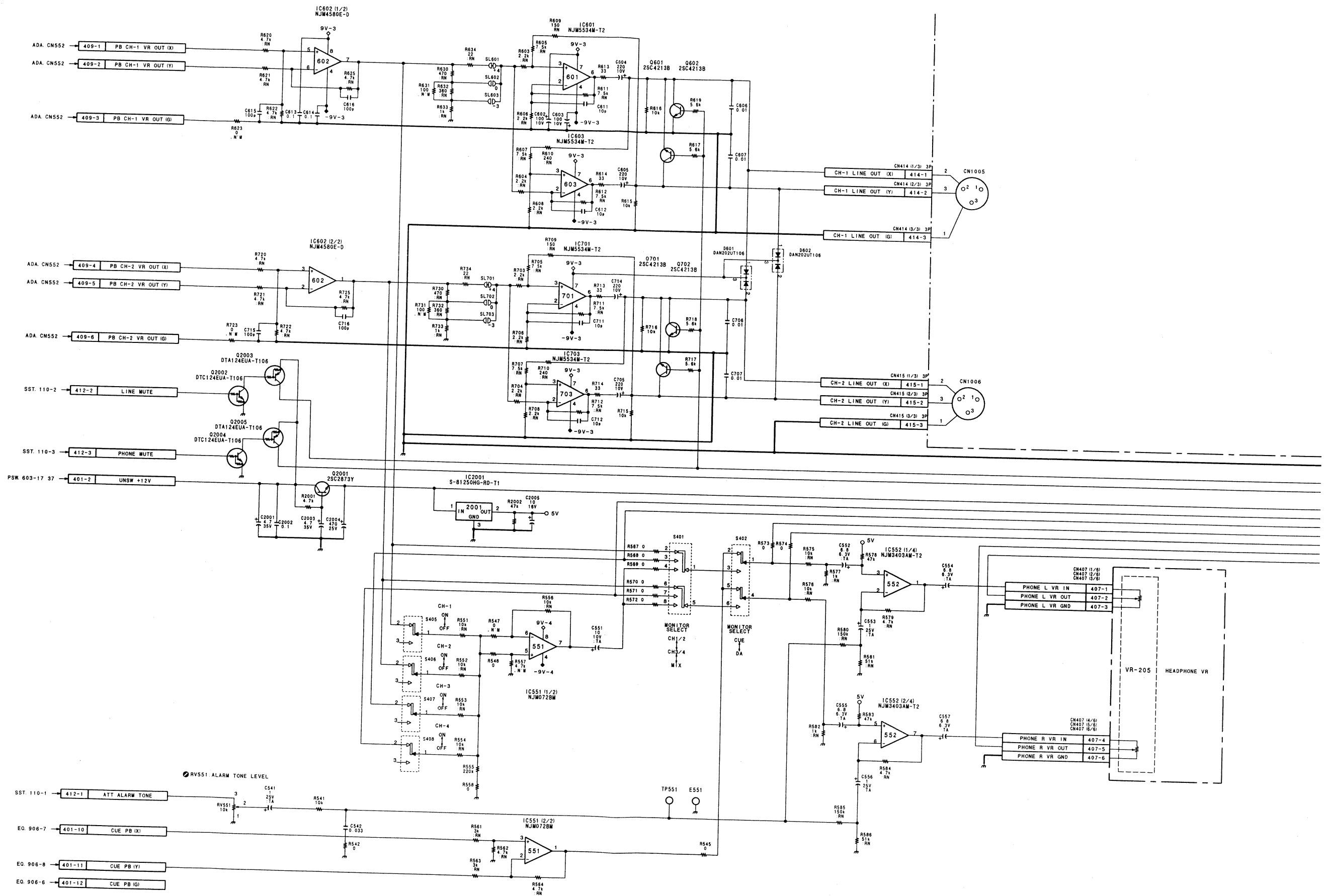


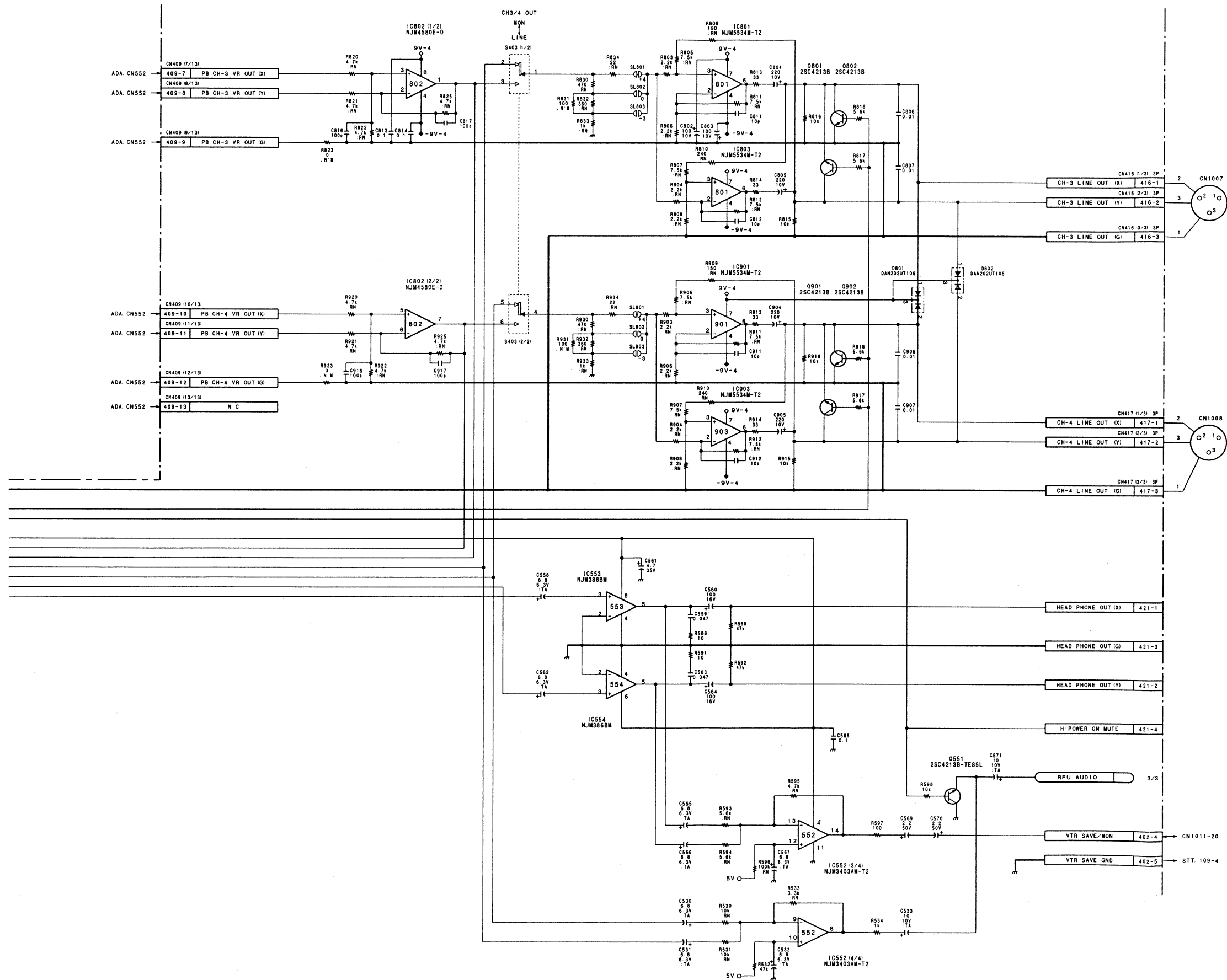
\* J MODEL  
NO M'T  
S412  
S413  
S414  
S415

AUDIO INPUT/OUTPUT, PANEL SWITCHES  
**CP-260 (1/3)**  
BOARD NO. 1-657-812-11  
LOT NO. 409-  
B-VDVW250-CP260-11



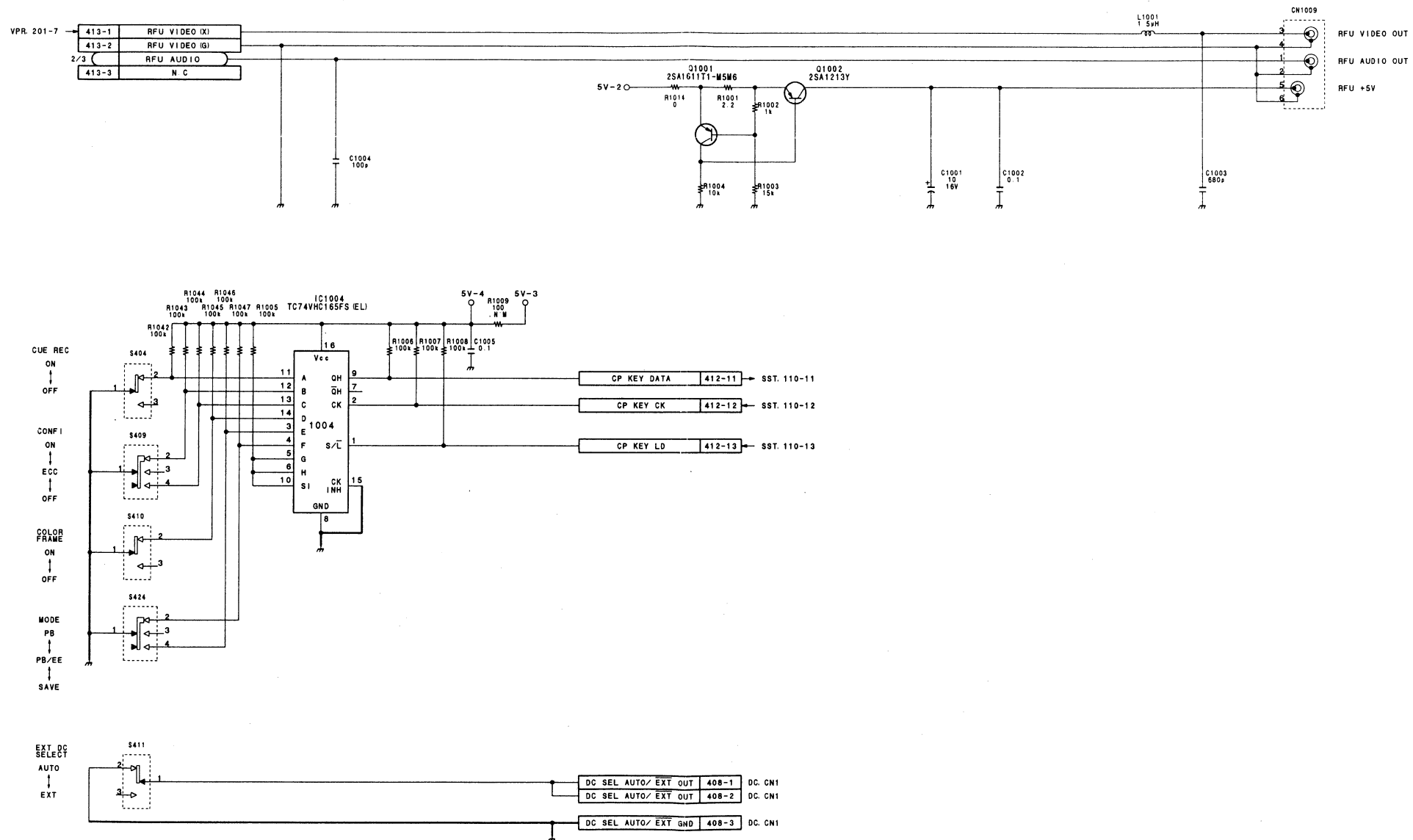
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

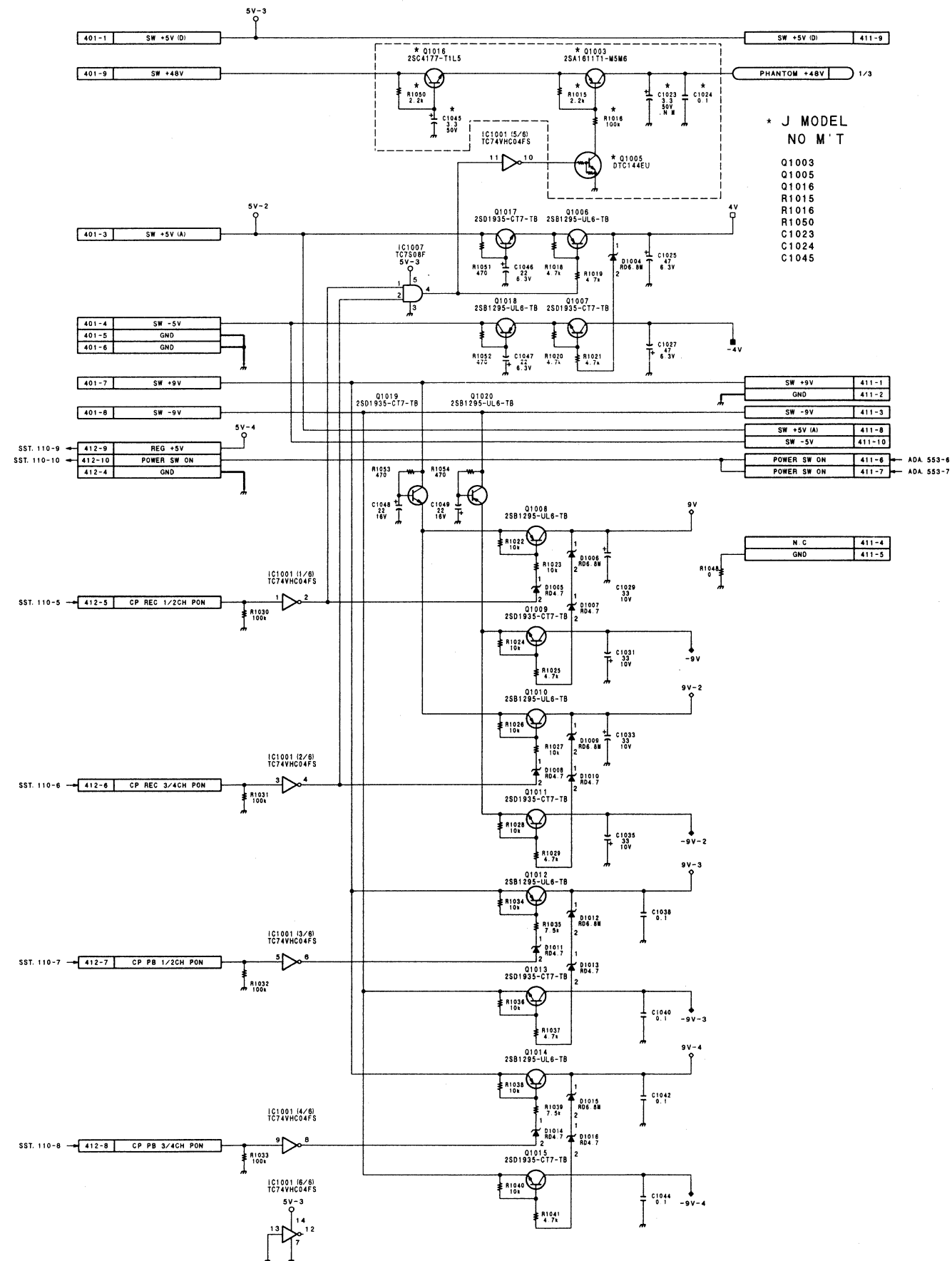




AUDIO INPUT/OUTPUT, PANEL SWITCHES  
**CP-260 (2/3)**  
 BOARD NO. 1-657-812-11  
 LOT NO. 409-  
 B-YDVW250-CP260-11

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





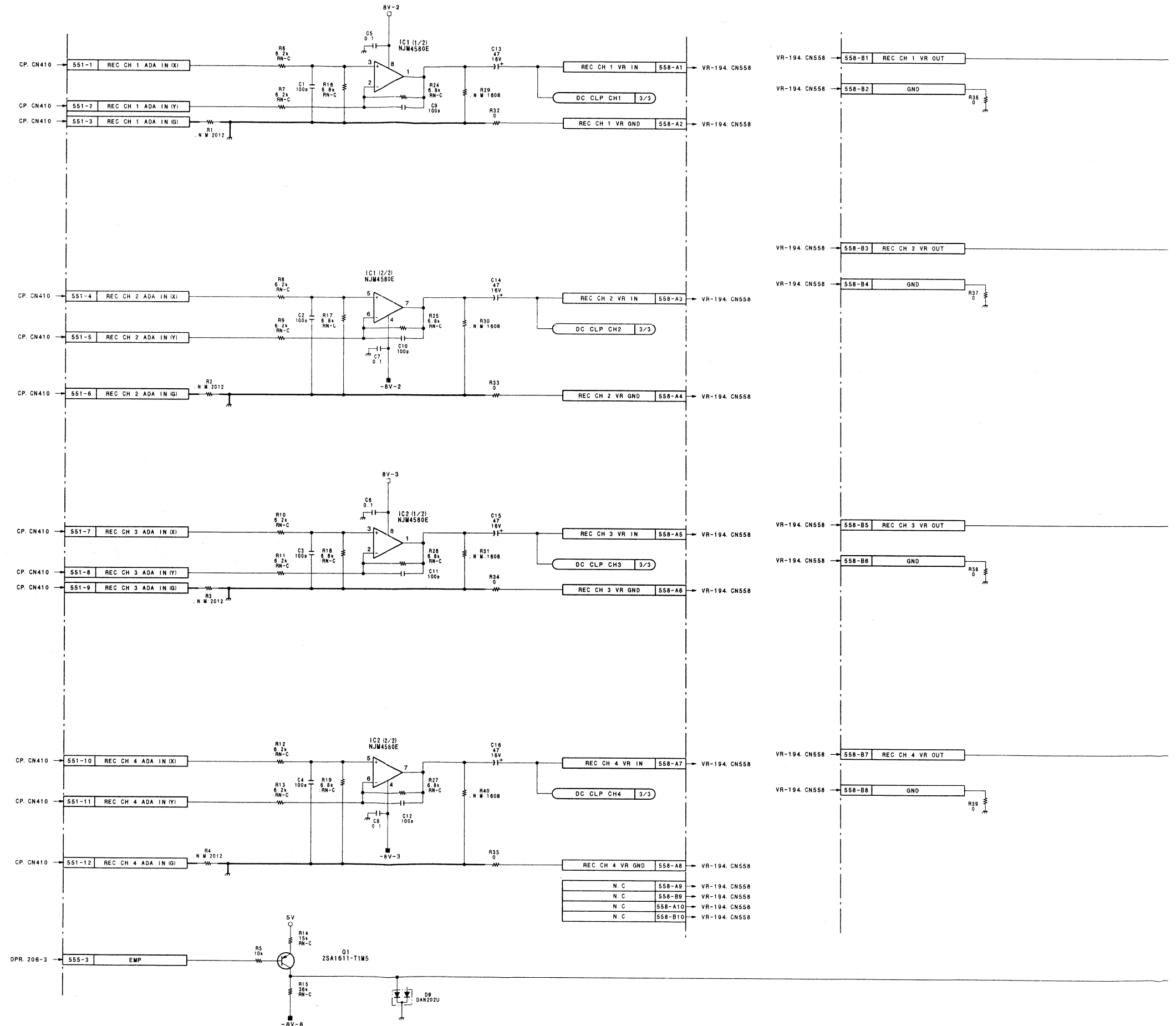
AUDIO INPUT/OUTPUT, PANEL SWITCHES  
**CP-260 (3/3)**  
 BOARD NO. 1-657-812-11  
 LOT NO. 409-  
 B-VDVW250-CP260-11

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

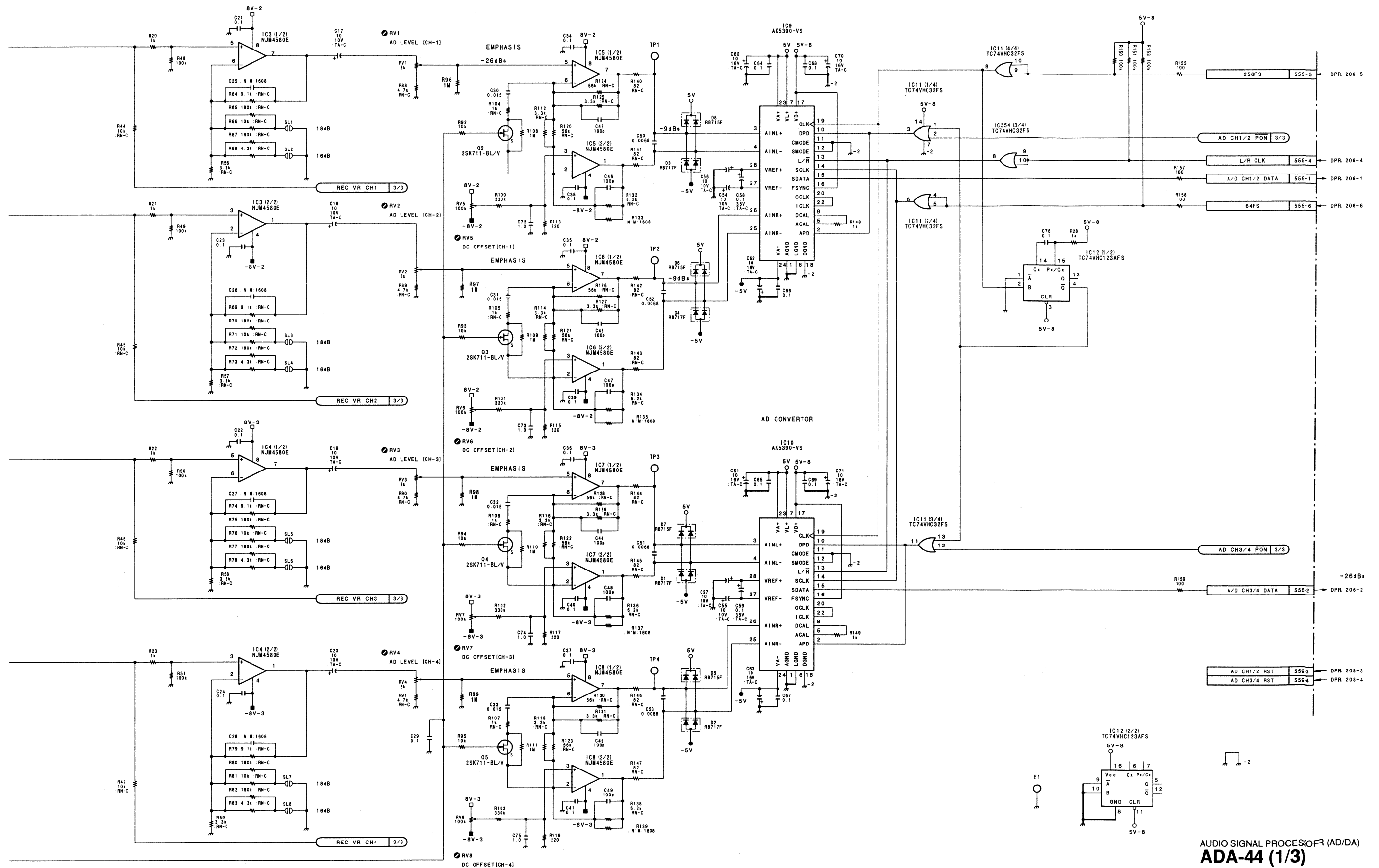
ADA-44 (1-657-810-11)

CN551	M1	Q207	*E1
CN552	L1	Q208	*F1
CN553	J1	Q351	*L1
CN554	E3	Q352	*L1
CN555	D3	Q353	L1
CN556	B3	Q354	*M1
CN557	*R1	Q355	*L1
CN558	N2	Q356	*L1
CN559	D3	Q357	*M1
		Q358	*M1
D1	*J2	Q359	*L1
D2	*J2	Q360	*L1
D3	*H3	Q361	*H1
D4	*H2	Q362	*J1
D5	*J2	Q364	*H1
D6	*H2	Q365	*J1
D7	*J3	Q366	*G1
D8	*H3	Q367	*J1
D9	*J1	Q368	*G1
D201	*D1	Q369	*J1
D202	*E1		
D351	*R3	RV1	*L3
D354	*G1	RV2	*L2
D355	*F1	RV3	*L2
D356	*H1	RV4	*L2
D357	*H1	RV5	*L3
D358	*J1	RV6	*L2
D359	H1	RV7	*L2
D360	H1	RV8	*L2
D361	*G1	RV40	L3
D362	*H1	RV50	N3
		RV60	N3
E1	F1	RV70	P3
E2	A1	RV201	*A3
		RV202	*A3
		RV203	*A2
		RV204	*A2
		RV205	*C2
		RV206	*D2
		RV207	*E2
		RV208	*E2
IC1	*N2		
IC2	*L1		
IC3	*N1		
IC4	*M1		
IC5	*K3		
IC6	*K2		
IC7	*L1		
IC8	*K1	S1	R3
IC9	H3		
IC10	J3	T1	K3
IC11	G2	T2	K3
IC12	G1	T3	K1
IC201	A3	T4	K1
IC202	A2		
IC203	*B1		
IC204	*C1		
IC205	*C2		
IC206	*D2		
IC207	*D2		
IC208	*E2		
IC209	*D1		
IC210	*E1		
IC310	*F1		
IC351	R3		
IC352	*R1		
IC353	*P1		
IC354	F3		
IC355	F2		
IC356	*R2		
IC357	*G2		
IC358	*G2		
IC359	*F2		
IC360	*F2		
IC361	*R1		
Q1	K1		
Q2	K2		
Q3	K2		
Q4	L1		
Q5	*L1		
Q201	*D1		
Q202	*D1		
Q203	*E1		
Q204	*E1		
Q205	*D1		
Q206	*D1		

\* : Soldering Side

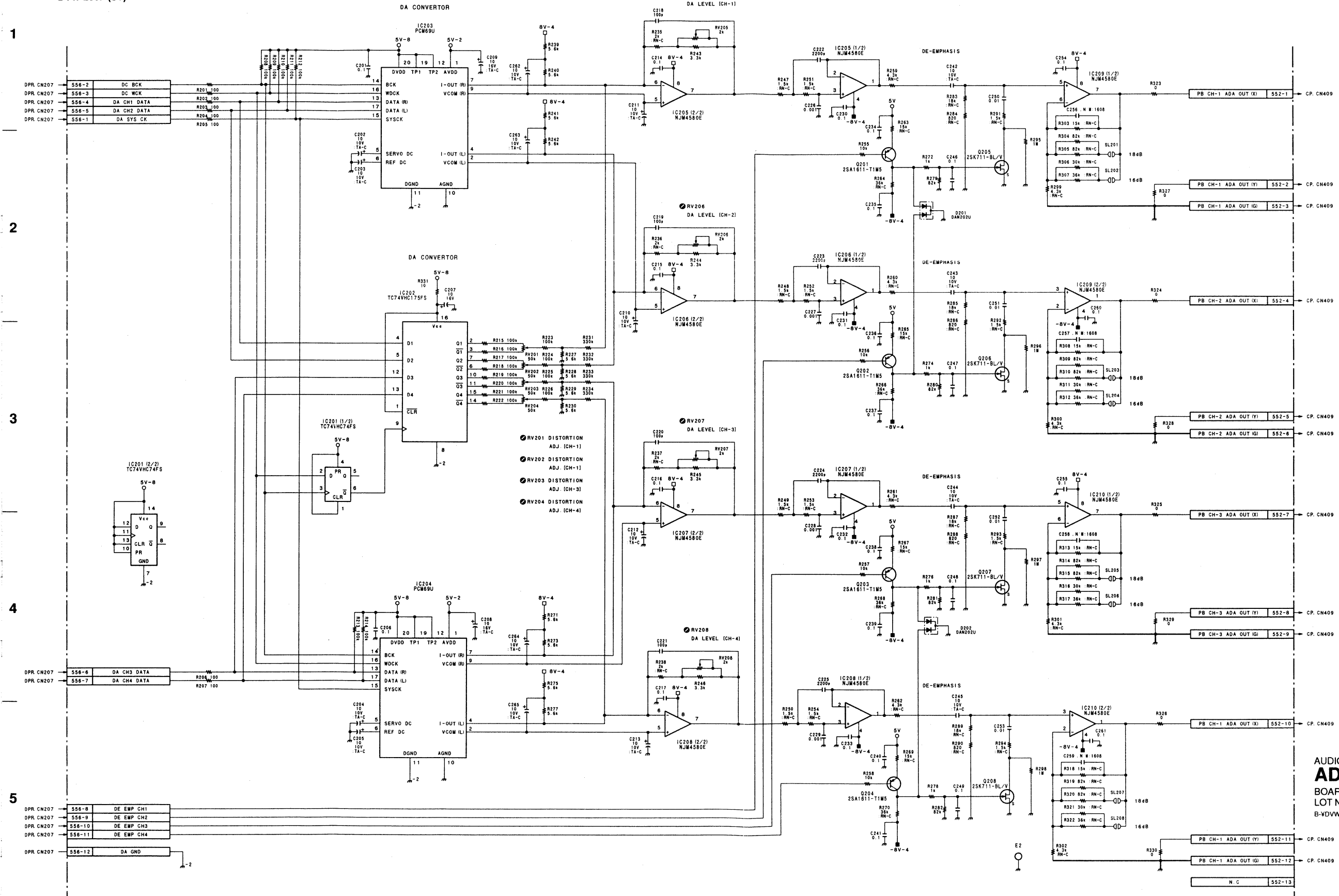


# ADA-44 (1/3) ADA-44 (1/3)



AUDIO SIGNAL PROCESSOR (AD/DA)  
**ADA-44 (1/3)**  
 BOARD NO. 1-657-810-11  
 LOT NO. 409-  
 B-YDVW250-ADA44-11

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)



AUDIO SIGNAL PROCESSOR (AD/DA)  
**ADA-44 (2/3)**  
BOARD NO. 1-657-810-11  
LOT NO. 409-  
B-DVW250-ADA44-11





DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

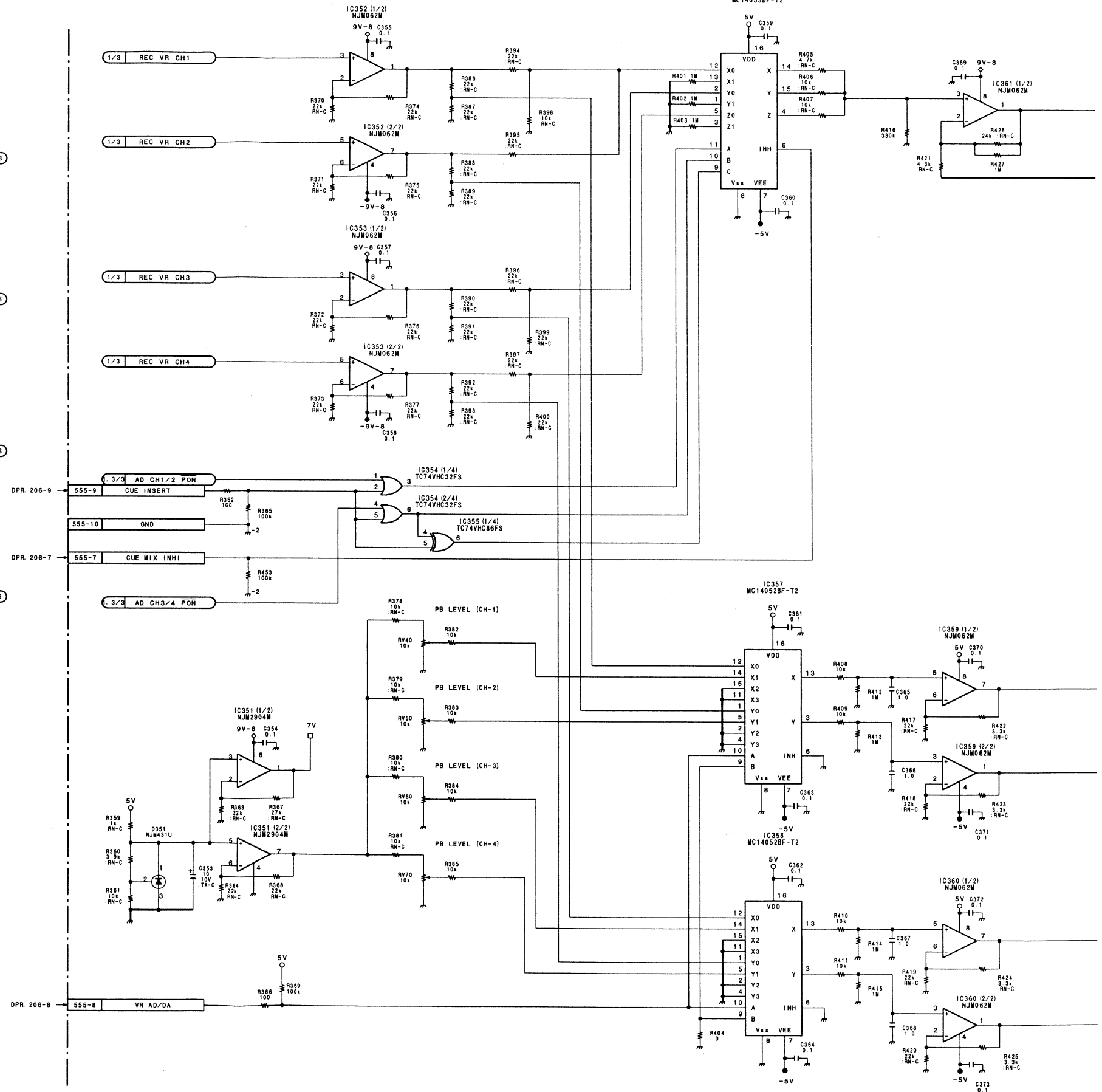
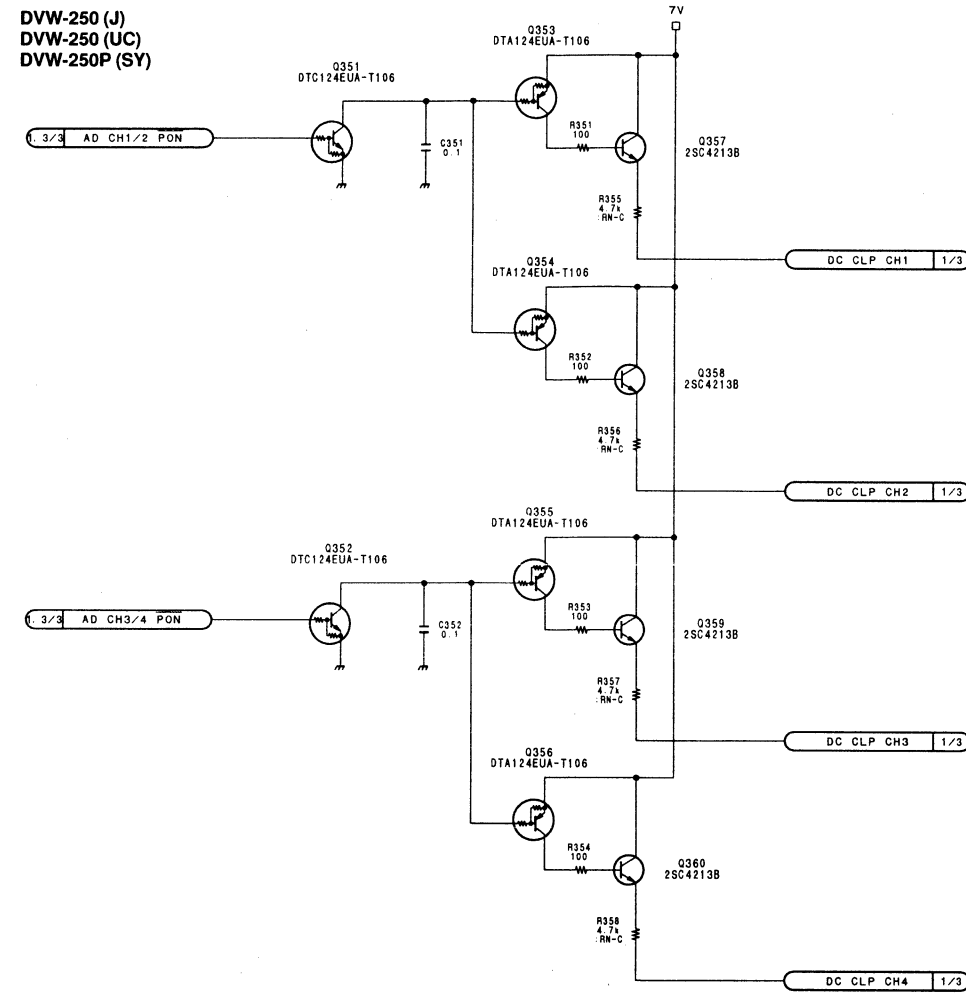
1

2

3

4

5



**DPR-62 (1/17)**



DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURRENT CONTROL, REC ENVELOPE DETECTOR

**DPR-62 (1/17)**

BOARD NO. 1-657-806-11  
LOT NO. 409-

B-YDVW250-DPR62-12-S/M

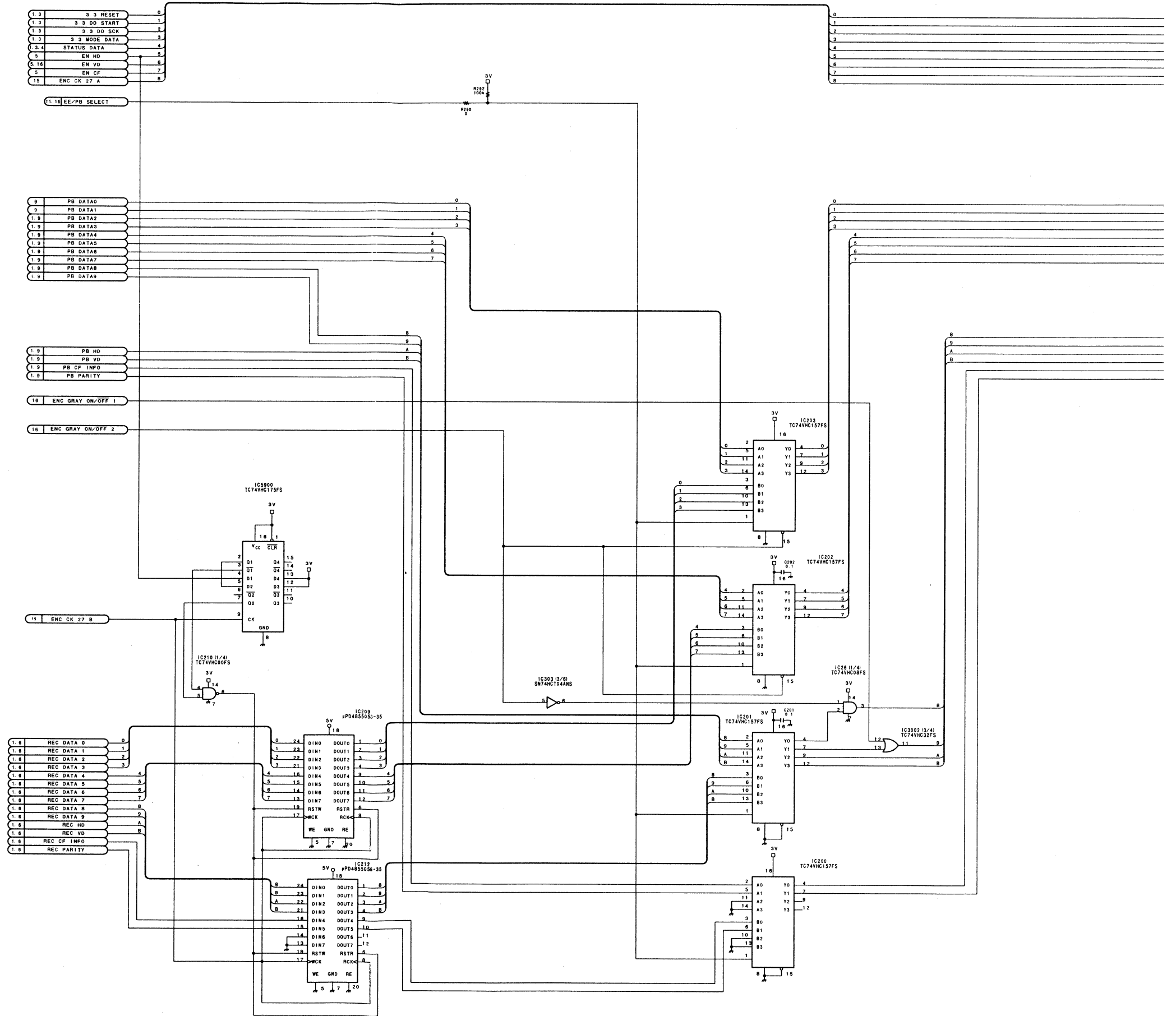
**DVW-250 (J)**  
**DVW-250 (UC)**  
**DVW-250P (SY)**

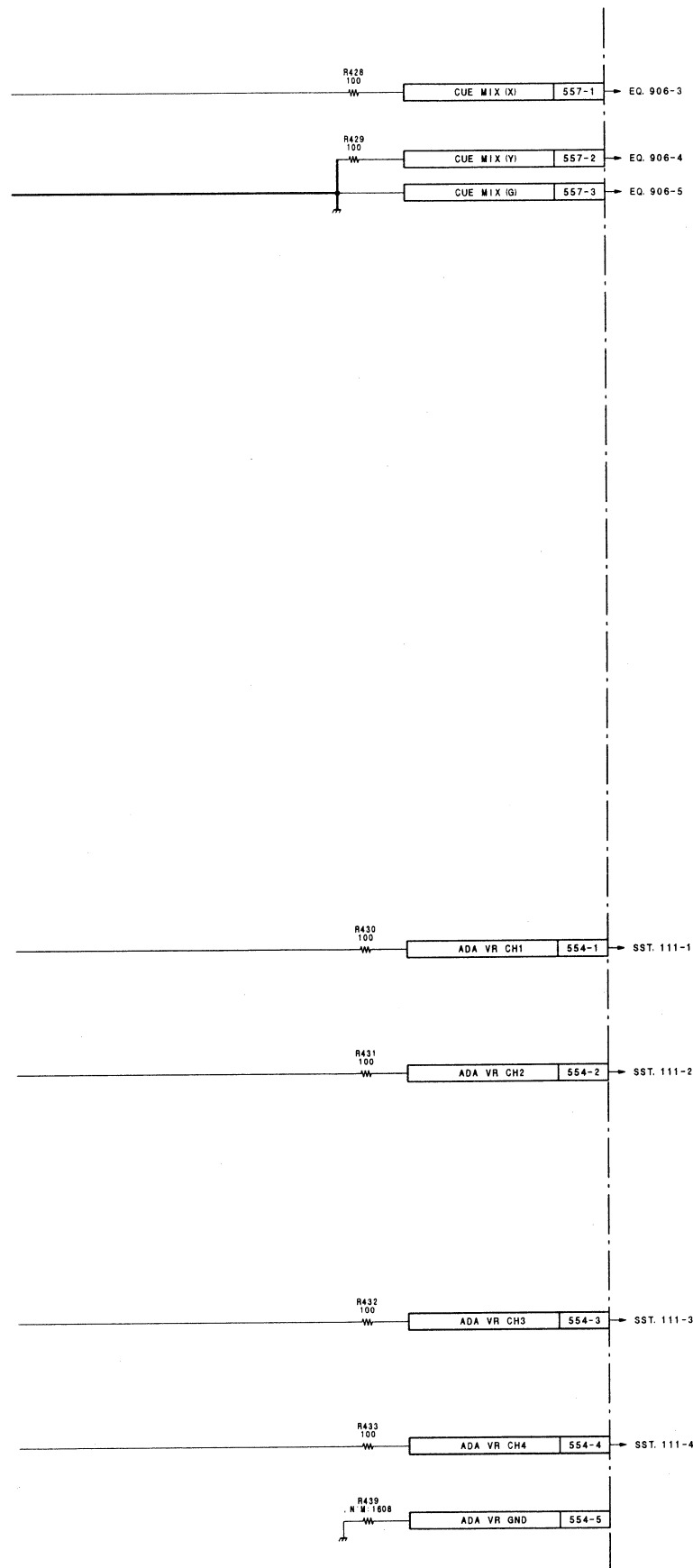
DPR-62 (1-657-806-11)

(From 3-40)

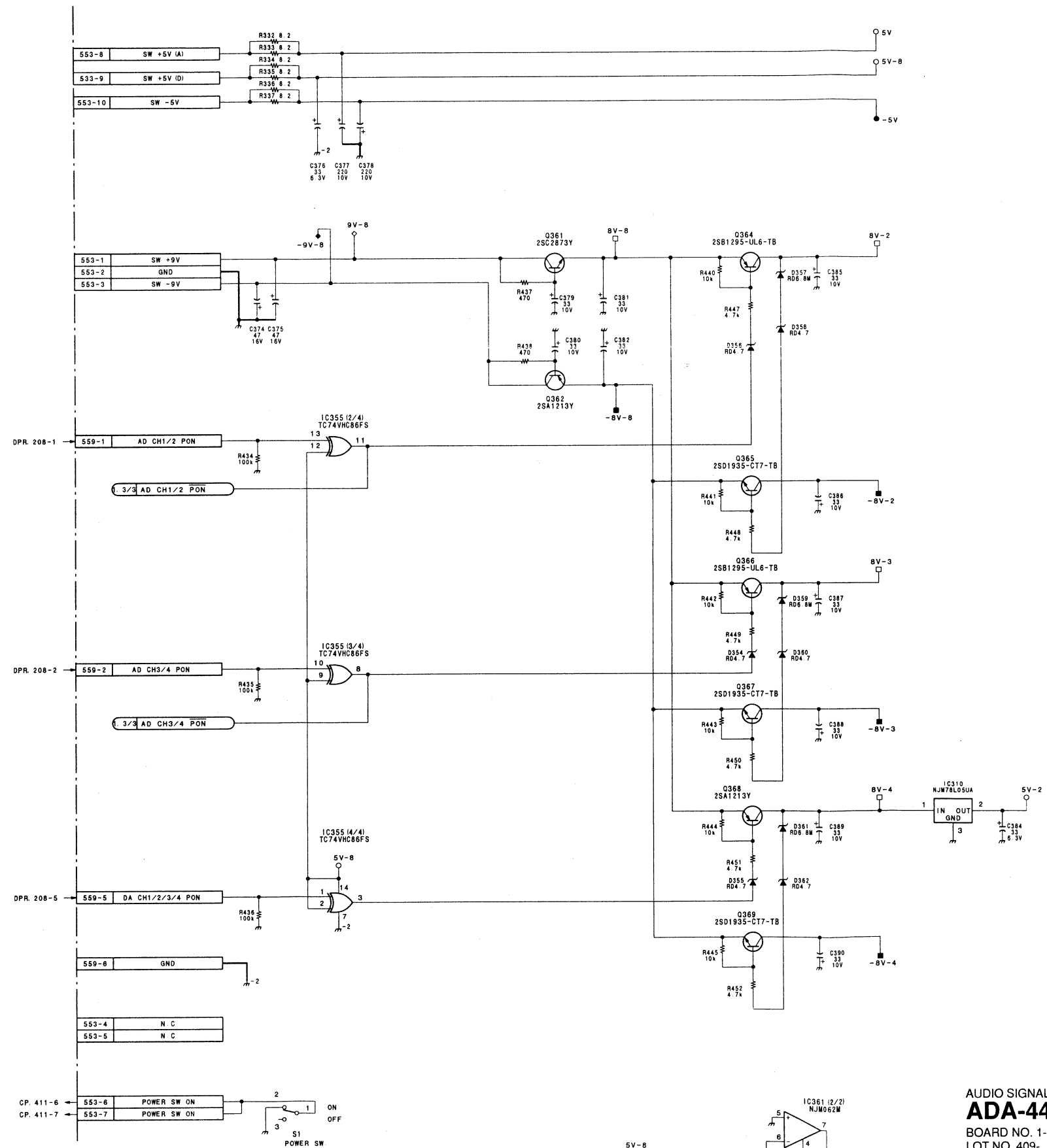
IC1603	*F4	RB118	*G6	RB1003	D8
IC1604	*E4	RB119	*G6	RB1004	*C7
IC1605	F3	RB120	*H6	RB1100	A6
IC2500	*H3	RB121	*H6	RB1101	A6
IC2501	*G4	RB126	*H7	RB1102	A3
IC2502	*H4	RB127	*H7	RB1103	A3
IC3000	F3	RB128	*H7	RB1104	A8
IC3001	*F3	RB129	*G7	RB1105	A8
IC3002	F5	RB130	*G7	RB1200	C9
IC5900	F9	RB131	*G7	RB1201	B9
		RB132	*G7	RB1202	C8
L1	A4	RB200	*G9	RB1203	B8
L2	A4	RB201	*G9	RB1204	E9
L3	A5	RB202	*G9	RB1205	D9
L4	B4	RB203	*G9	RB1206	E8
L5	A5	RB204	*G9	RB1207	D8
L6	A3	RB205	J8	RB2500	H4
L7	B3	RB206	J8	RB2501	H4
L10	B4	RB207	*H9	RB2502	*G4
L12	A5	RB208	*H9	RB2503	*H3
L13	A5	RB209	*H9	RB2504	H3
L1300	*F2	RB210	*H9	RB2505	H3
L1301	*F2	RB300	*E6	RB2506	H3
L1302	*E2	RB301	F6	RB2507	H4
L1303	*D1	RB302	E6	RB2508	H4
L1304	*D1	RB500	F2	RB2509	H3
		RB501	*F2	RB2510	H3
Q1100	*B6	RB505	F2	RB2511	H4
Q1101	*B6	RB506	*F2	RB2512	H4
Q1102	*A6	RB507	F2	RB2513	H4
Q1103	*A8	RB508	F3	RB2514	H4
Q1104	*A6	RB509	H2	RB2515	*G4
Q1300	*F3	RB510	H3	RB2516	H4
Q1301	*F2	RB600	H1	RB2517	H4
Q1302	*F2	RB700	D3	RB2518	H4
Q1303	*F2	RB701	*D5	RB2519	H4
Q1304	*E2	RB702	E5	RB2520	H4
Q1305	*F2	RB703	E5		
Q1306	*E2	RB704	D5	TP200	*F9
Q1307	*E2	RB705	D3	TP201	*F9
Q1308	*E2	RB706	D5	TP202	*F9
Q1309	*D2	RB707	D3	TP203	*F9
Q1310	*E2	RB800	C7	TP204	*F9
Q1311	*B1	RB802	*B6	TP205	*F9
Q1312	*B1	RB804	*B5	TP206	*F9
Q1313	*B1	RB805	*C5	TP207	*F9
		RB806	C6	TP300	*F6
RB1	E7	RB807	*B6	TP700	*D4
RB2	E7	RB808	*C6	TP701	*D4
RB3	E7	RB809	*C6	TP702	C6
RB4	E7	RB810	*D6	TP703	*D4
RB5	E8	RB811	*D6	TP704	*D5
RB6	E8	RB813	*B7	TP705	B6
RB7	E7	RB814	*B7	TP706	*H3
RB8	E7	RB815	*C5	TP1001	*J2
RB9	E7	RB816	*C5	TP1002	*J2
RB10	E7	RB817	*B5	TP1003	*D7
RB11	E8	RB818	C6	TP1004	*D7
RB12	E8	RB819	*B6	TP1005	*D6
RB13	E7	RB820	*B6	TP1006	*D6
RB14	E7	RB821	*C6	TP1100	A9
RB100	*H7	RB822	*C6	TP1101	*A9
RB101	J6	RB900	*C4	TP1300	*E3
RB102	*H7	RB901	*C5	TP1301	*E1
RB103	*H7	RB902	*C4	TP1302	D2
RB104	J6	RB903	*C4	TP1303	D3
RB105	J6	RB904	*C4	TP1400	*J2
RB106	*H7	RB905	*D3		
RB107	*H7	RB906	*B4	*: Soldering Sides	
RB108	H6	RB907	*B4		
RB109	*H7	RB908	*B4		
RB110	H6	RB909	*B4		
RB111	H6	RB910	*C4		
RB112	*H7	RB911	*C3		
RB113	*H7	RB912	*C5		
RB114	*H7	RB913	*D5		
RB115	*H7	RB914	*C6		
RB116	*G6	RB1000	*D7		
RB117	*G6	RB1001	D8		

\* : Soldering Side



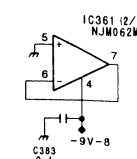
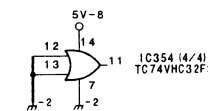


DVW-250/250P



3-37

3-37



AUDIO SIGNAL PROCESSOR (AD/DA)  
**ADA-44 (3/3)**  
BOARD NO. 1-657-810-11  
LOT NO. 409-  
B-YDVW250-ADA44-11

P

# VR-194, DUS-339      VR-194, DUS-339

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

VR-194 (1-657-808-11)

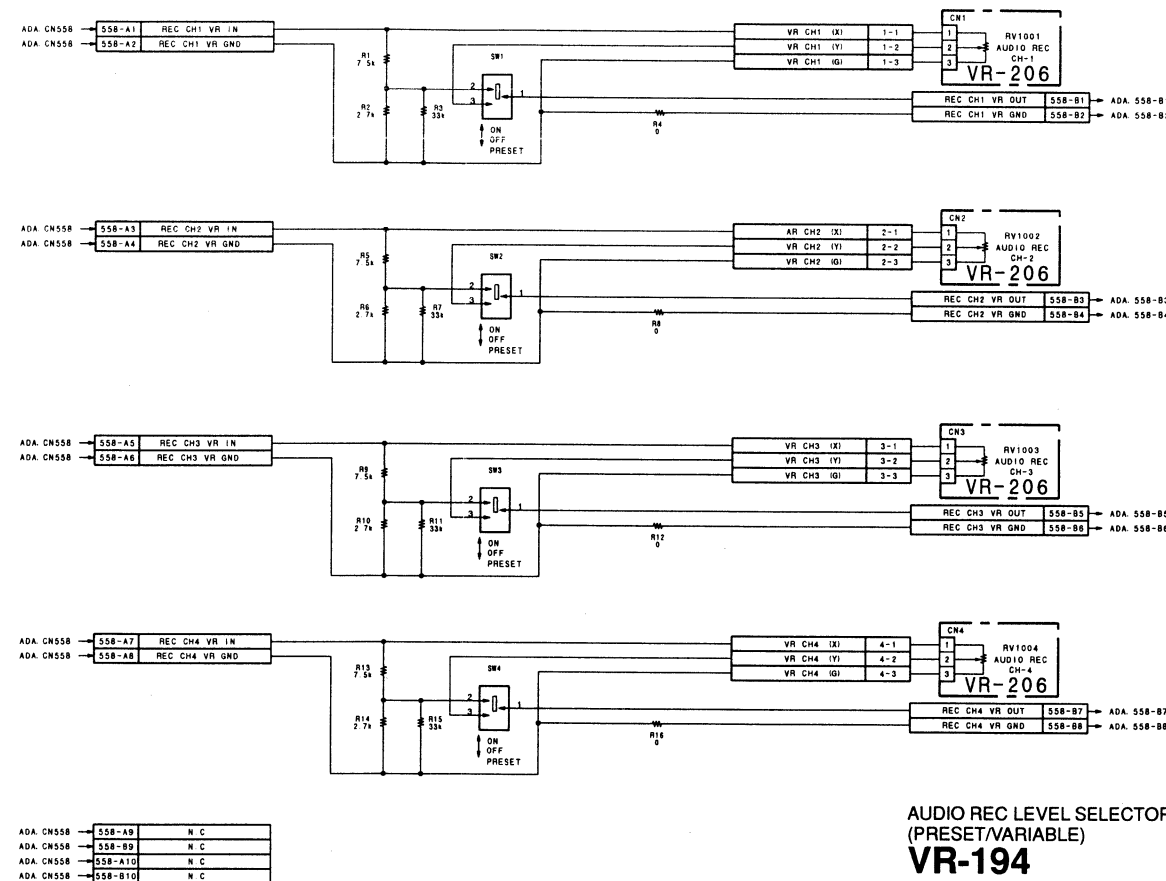
CN1      A2  
CN2      A1  
CN3      C2  
CN4      C1  
CN558   \*C2

SW1      A2  
SW2      A1  
SW3      C2  
SW4      C1

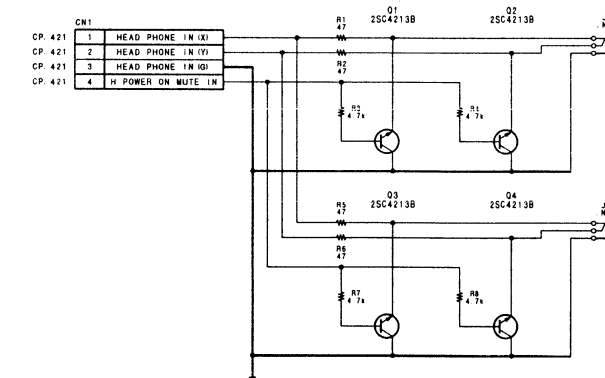
\* : Soldering Side

DUS-339 (1-638-694-11)

CN432    A1  
Q1        A1  
Q2        A1  
Q3        A1  
Q4        A1



AUDIO REC LEVEL SELECTOR  
(PRESET/VARIABLE)  
**VR-194**  
BOARD NO. 1-657-808-11  
LOT NO. 409-  
B-YDVW250-VR194-11



HEAD PHONE CONNECTOR  
**DUS-339**  
BOARD NO. 1-638-694-13  
LOT NO. 409-  
B-YDVW250-DUS339-11



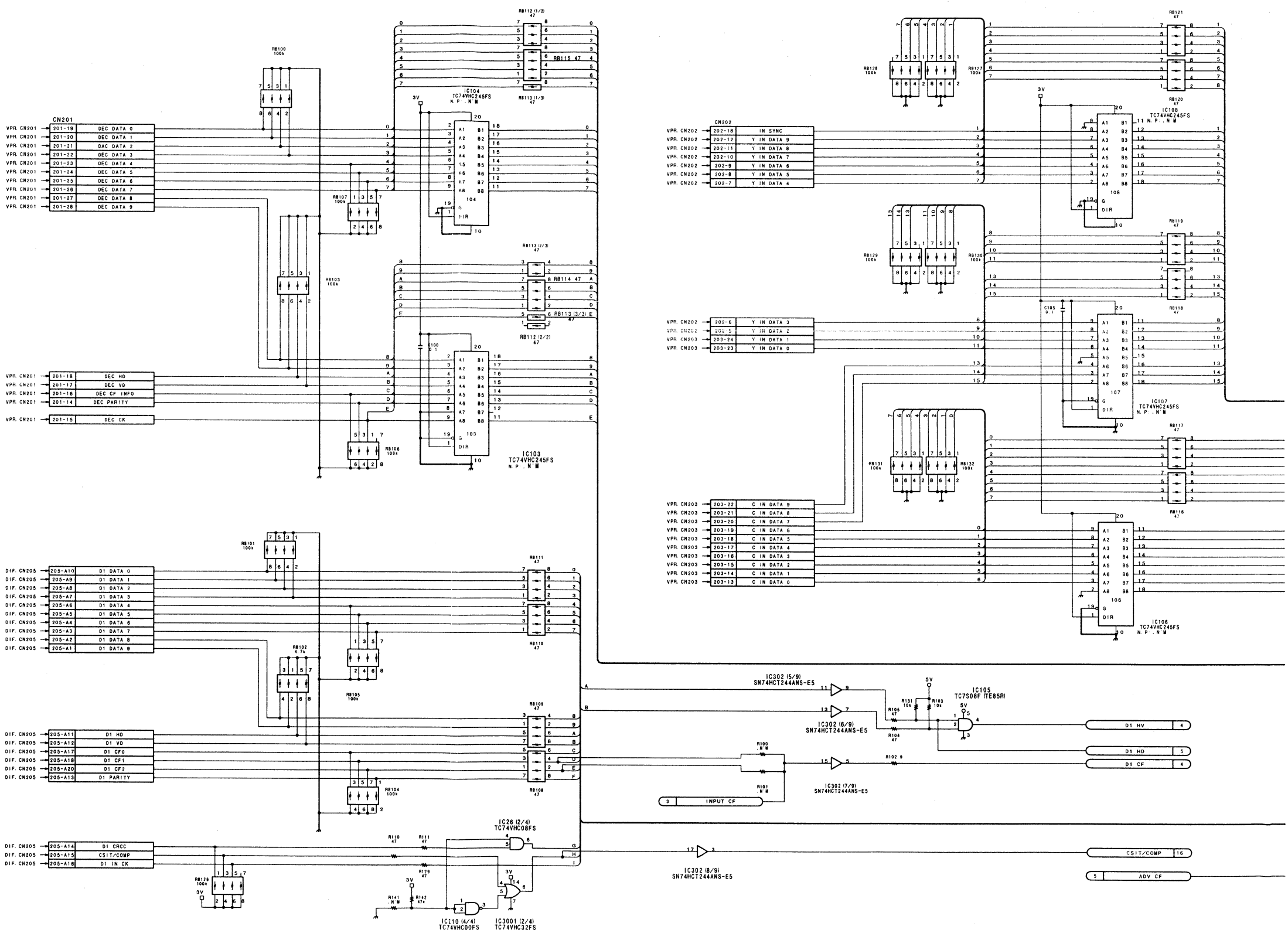
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

DPR-62 (1-657-806-11)

CN201	*J2	IC200	*H9	IC1106	B9
CN202	*J4	IC201	*H9	IC1107	*B9
CN203	*J6	IC202	*G9	IC1108	*A3
CN204	*J8	IC203	*G9	IC1109	A8
CN205	D6	IC204	*G9	IC1111	*E9
CN206	H2	IC205	G8	IC1112	A8
CN207	H2	IC206	*H8	IC1113	B8
CN208	H3	IC207	*H8	IC1114	*A6
CN211	E3	IC208	J9	IC1115	*B6
CN212	E5	IC209	*G8	IC1116	*A7
CN213	E6	IC210	F9	IC1117	*B7
CN908	A9	IC211	*H9	IC1118	*A7
CN909	A7	IC212	*H8	IC1119	*B7
CN910	A5	IC213	*H9	IC1120	*A7
CN911	A3	IC214	*H9	IC1121	B8
		IC300	*G6	IC1122	A9
CP100	H5	IC301	E6	IC1124	A9
CP200	G9	IC302	*F6	IC1200	C9
CP1100	*B9	IC303	*G6	IC1201	C9
CP1300	E1	IC304	H5	IC1202	C8
CP1301	B2	IC305	G5	IC1203	C8
CP1302	B1	IC306	*G6	IC1204	E9
		IC307	*G5	IC1205	D9
D200	*H9	IC308	G7	IC1206	E8
D301	*G5	IC309	*G7	IC1207	D8
D302	*G5	IC310	F6	IC1300	*F1
D303	*G5	IC311	F7	IC1301	F1
D304	*F5	IC312	F8	IC1302	E1
D305	*H5	IC313	*G7	IC1303	F3
D1001	*D7	IC314	E6	IC1304	E3
D1100	*B6	IC316	*F6	IC1305	E1
D1101	*C9	IC500	F2	IC1306	D1
D1102	*E9	IC501	*G3	IC1307	F2
D1300	*E1	IC502	G2	IC1308	*E1
D1301	*E2	IC503	*H2	IC1309	F2
D1302	D2	IC600	H2	IC1310	E1
D1303	*E2	IC601	G2	IC1311	*E2
D1304	*D2	IC602	G2	IC1312	F2
D1305	*C1	IC603	*H2	IC1313	*E1
D1306	*C1	IC604	*G2	IC1314	E2
D1307	*B1	IC605	*H1	IC1315	*D2
D1308	*C1	IC606	*G1	IC1316	D2
D1400	B1	IC700	E4	IC1317	*D2
		IC701	*E5	IC1318	*E2
E1100	*A9	IC702	*F5	IC1319	*D2
E1300	D2	IC704	*E5	IC1320	D2
E1301	*E3	IC705	*F5	IC1321	*C2
E1500	*J8	IC706	G4	IC1322	*B2
E1501	H6	IC707	*G4	IC1323	*B2
E1502	*D5	IC708	*G5	IC1324	*C2
E1503	H1	IC800	D7	IC1325	*D2
		IC801	*C6	IC1326	*D2
FB1	*A9	IC802	*B5	IC1327	*C2
FB2	*A3	IC803	*B5	IC1328	*B3
FB101	*H5	IC807	C5	IC1329	C1
FB201	*H9	IC808	*C6	IC1330	B3
FB1301	*E1	IC809	*C6	IC1331	*C2
FB1303	*B2	IC811	D4	IC1332	B2
FB1304	*B1	IC812	C4	IC1333	*D1
		IC813	B4	IC1334	*B2
IC4	*E8	IC900	*C4	IC1335	C1
IC20	*E7	IC901	*C3	IC1336	C2
IC21	*E7	IC902	*B4	IC1337	C2
IC22	*E7	IC903	*B3	IC1338	C2
IC25	*E8	IC904	*C5	IC1339	*B2
IC26	D8	IC1000	C7	IC1340	C1
IC103	J7	IC1001	D7	IC1341	*B1
IC104	J7	IC1002	D8	IC1342	*B1
IC105	*F6	IC1003	D7	IC1343	*B2
IC106	*G6	IC1004	*C7	IC1344	*A2
IC107	*H6	IC1005	*B8	IC1345	A3
IC108	*H6	IC1006	C7	IC1346	A2
IC111	*H7	IC1007	*C7	IC1348	A2
IC112	*H5	IC1008	C7	IC1349	A1
IC113	H5	IC1009	B7	IC1600	*F3
IC114	*H8	IC1011	C8	IC1601	*E3
IC116	*F7	IC1013	C7	IC1602	*F3
IC117	*F8	IC1014	B8		
IC118	*F8	IC1103	A9		
IC119	*F8	IC1104	B9		
IC120	*F8	IC1105	*C9		

\*: Soldering Side

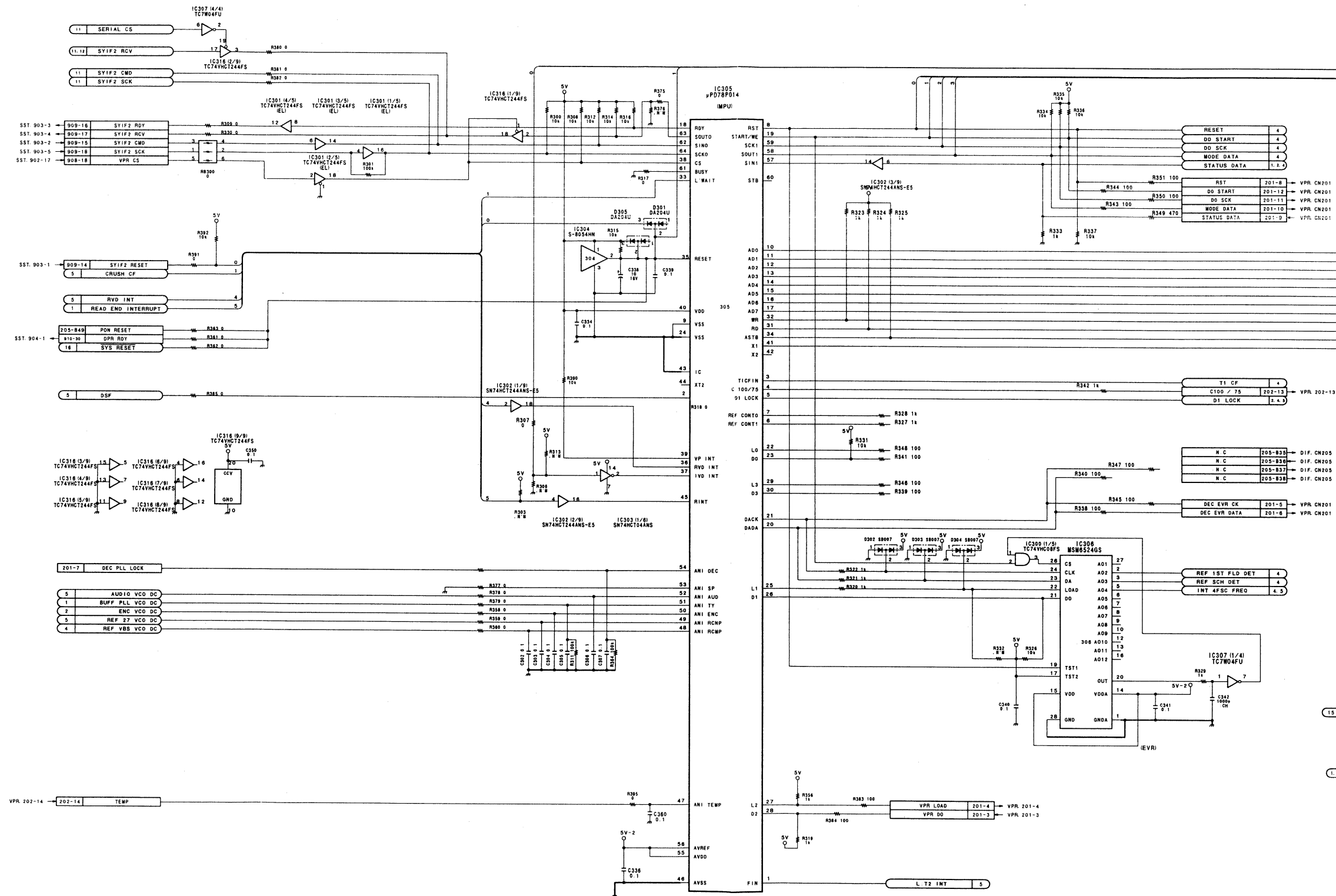
(Continued to 3-42)







DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

1

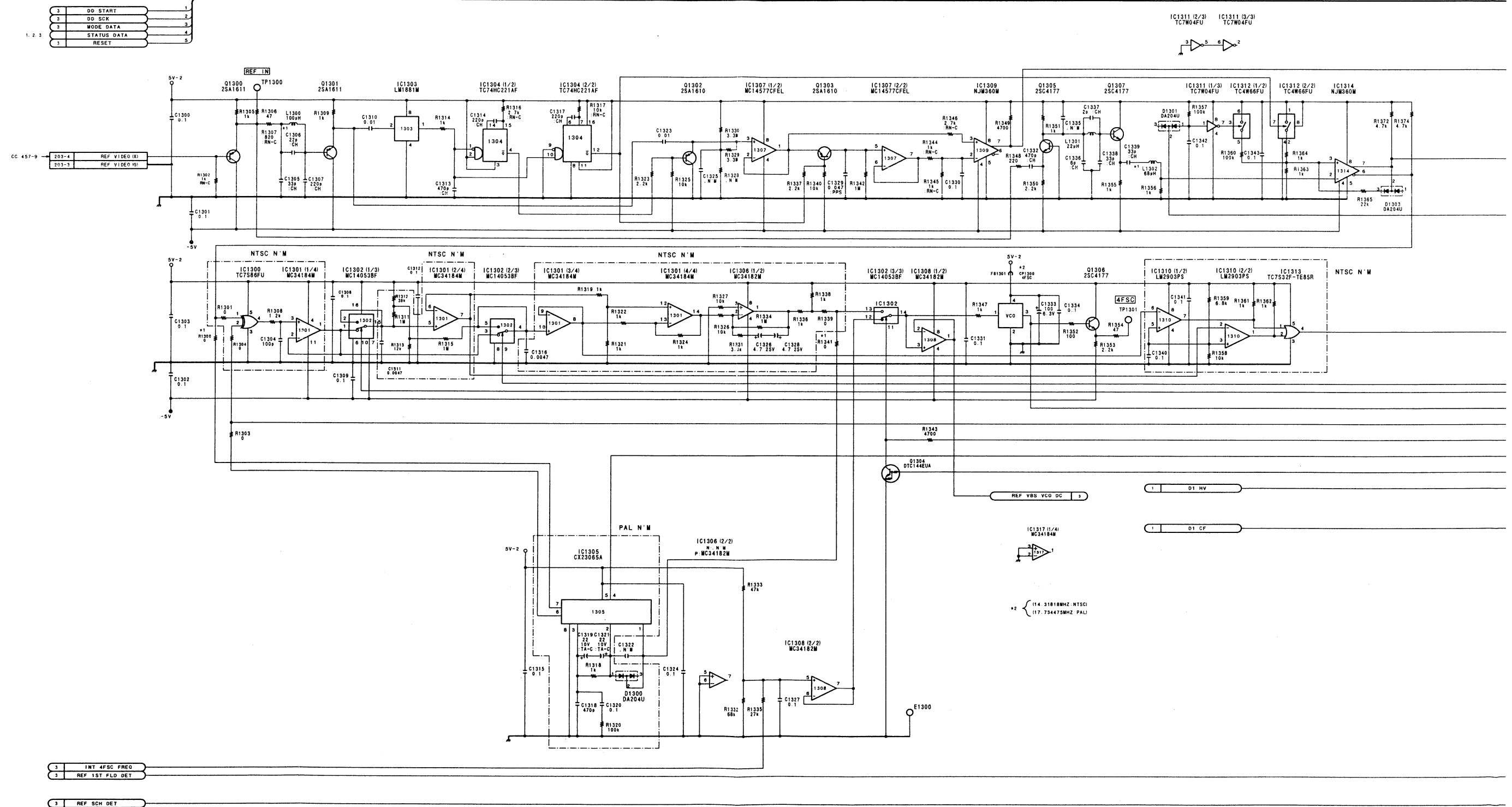
2 3 5 D1 LOCK

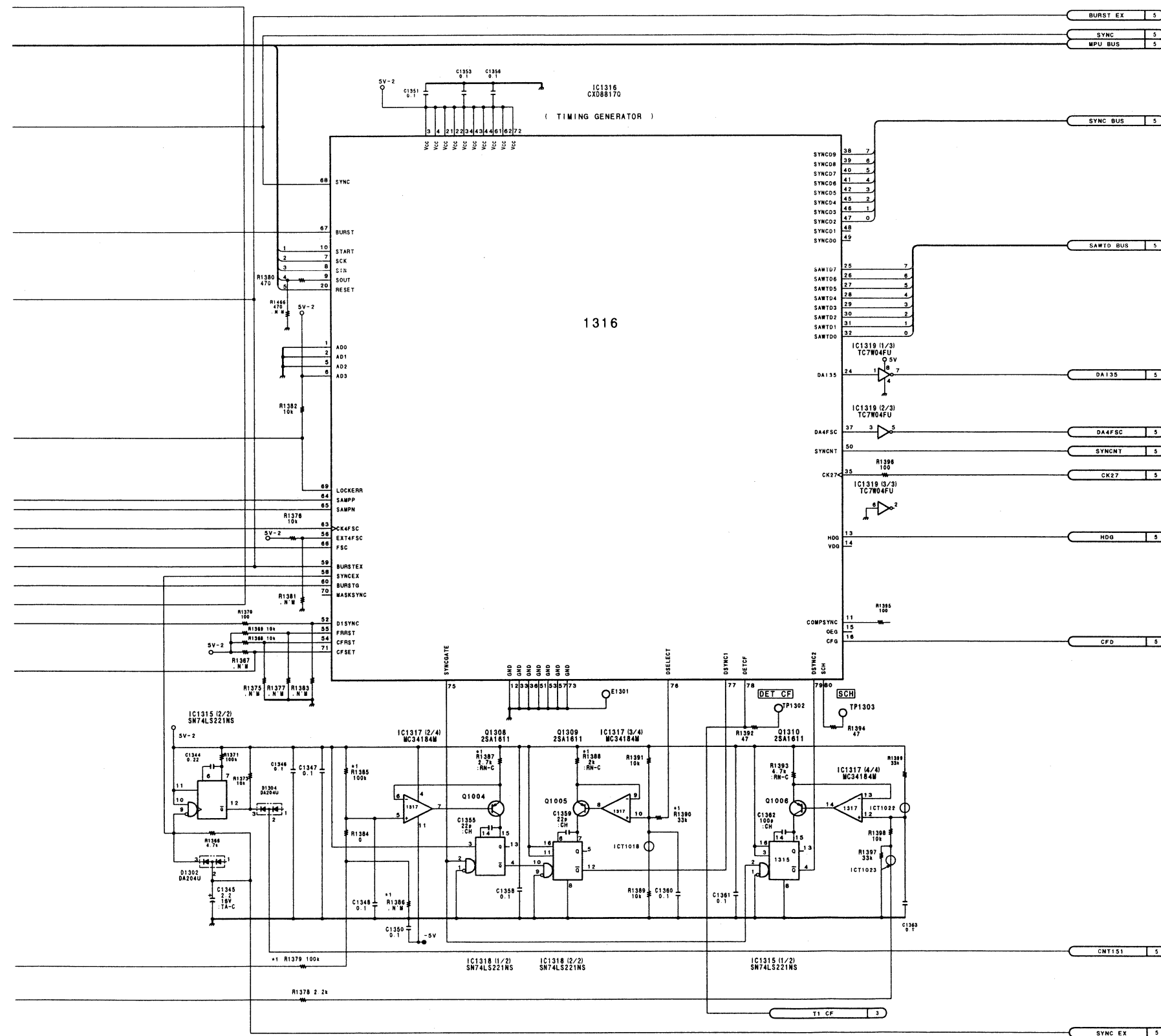
2

3

4

5





REF NO	NTSC	PAL
C1306	22K	N/W
L1302	68K	30K
R1300	0	N/W
R1341	0	N/W
R1379	100K	22K
R1385	100K	22K
R1386	N/W	82K
R1387	2.7K	4.7K
R1388	2K	1K
R1390	33K	22K

DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURENT CONTROL, REC ENVELOPE DETECTOR  
**DPR-62 (4/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-YDVW250-DPR62-12-S/M

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

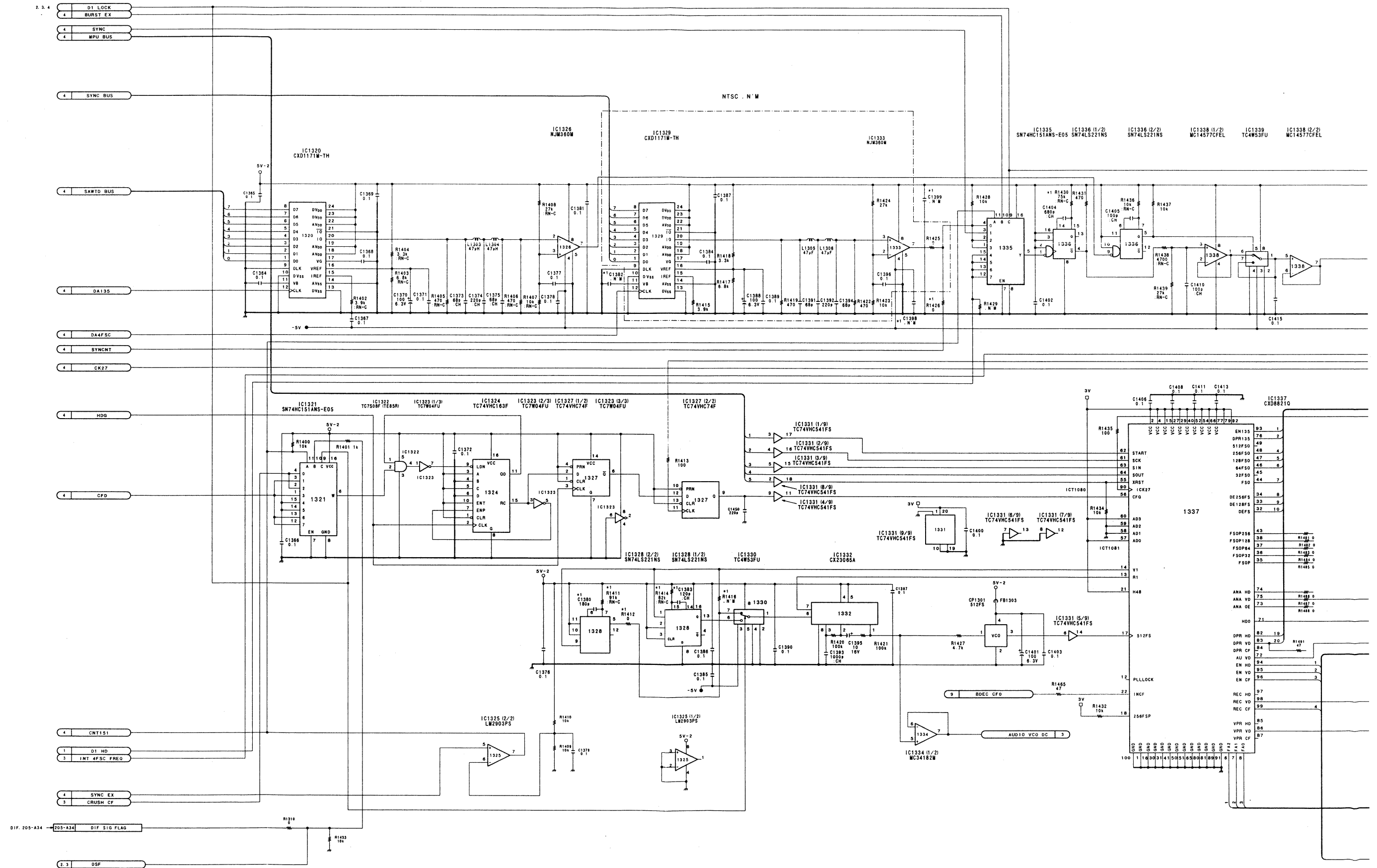
1

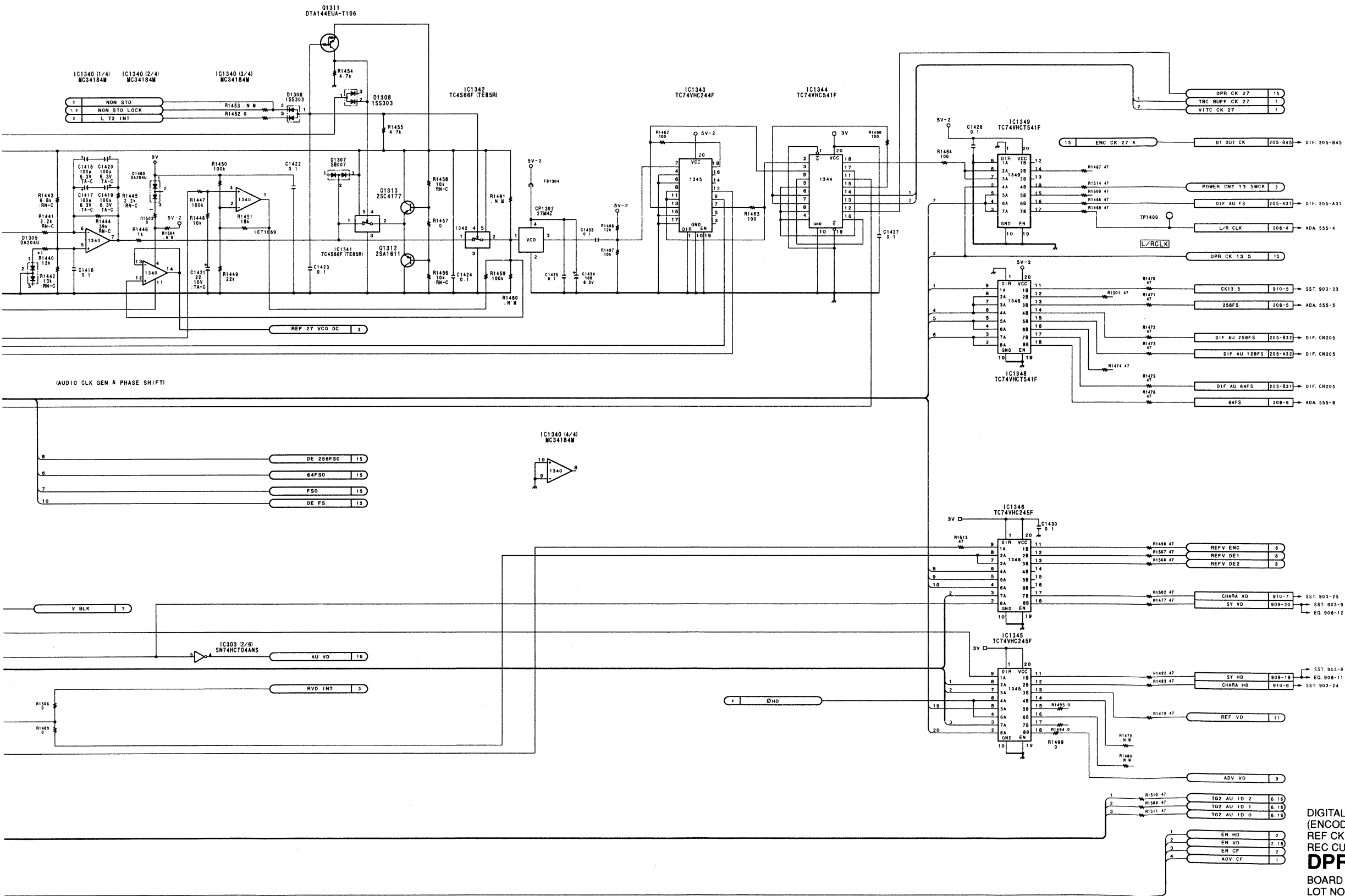
2

3

4

5

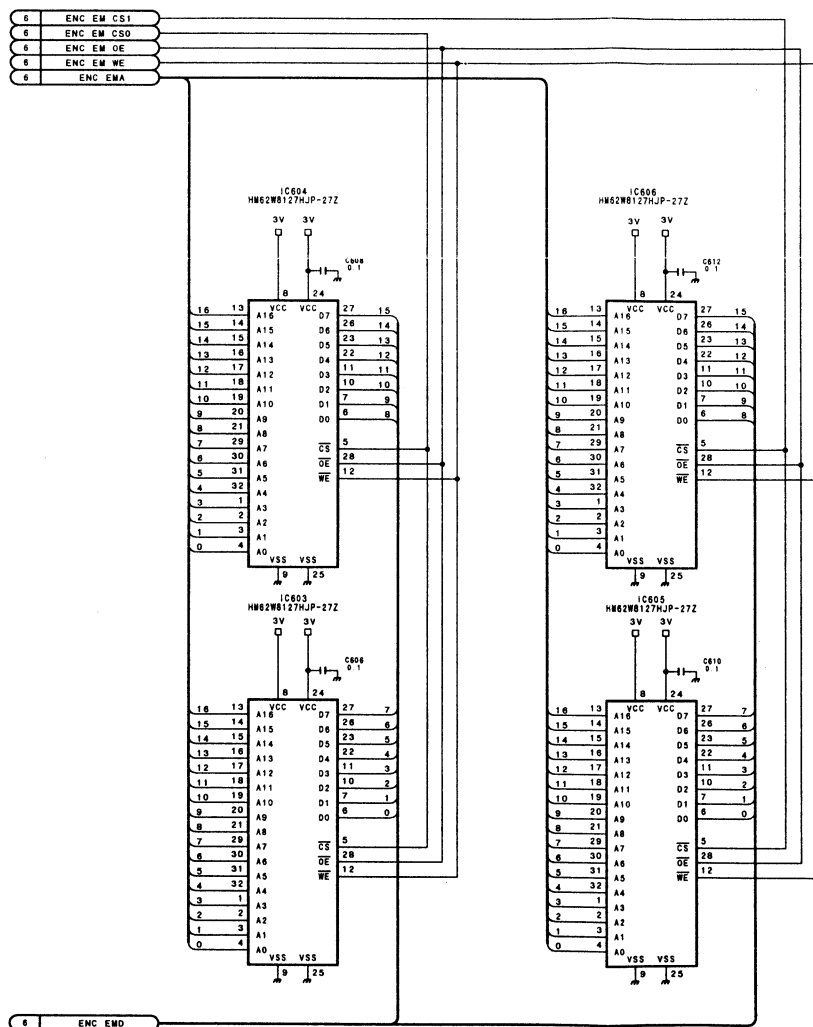
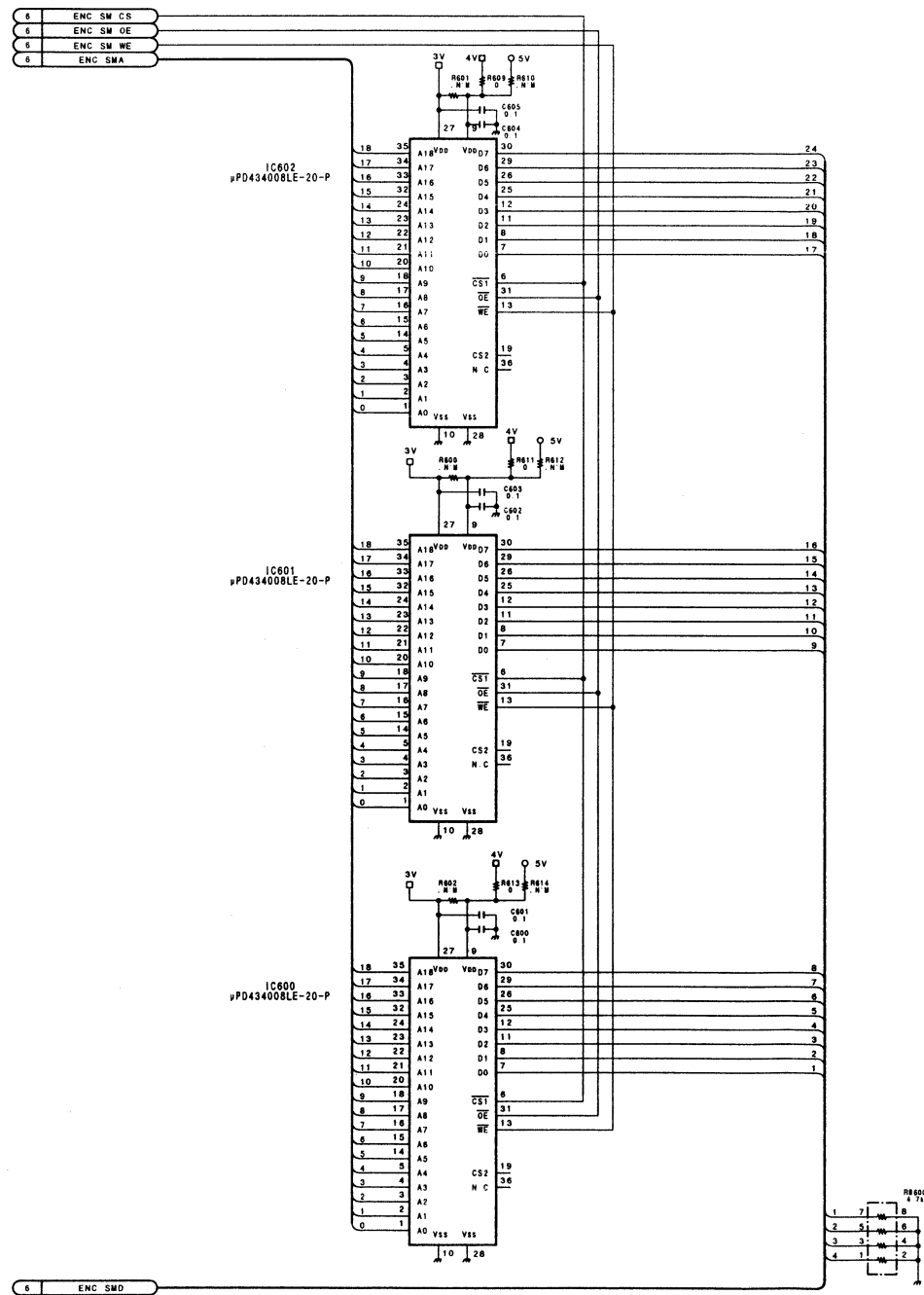




REF	HD	NTSC	PL
C1399	N M	O	
C1380	180p	N I	
C1382	N M	O	
C1383	120p	I 2p	
C1398	N M	O	
R1411	91K	N I	
R1412	0	N I	
R1414	82K	3K	
R1416	N M	I	
R1426	0	N I	
R1430	75K	8I	
R1440	12K	7 K	

DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURRENT CONTROL, REC ENVELOPE DETECTOR  
**DPR-62 (5/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-V0VW250-DPR62-12-S/M

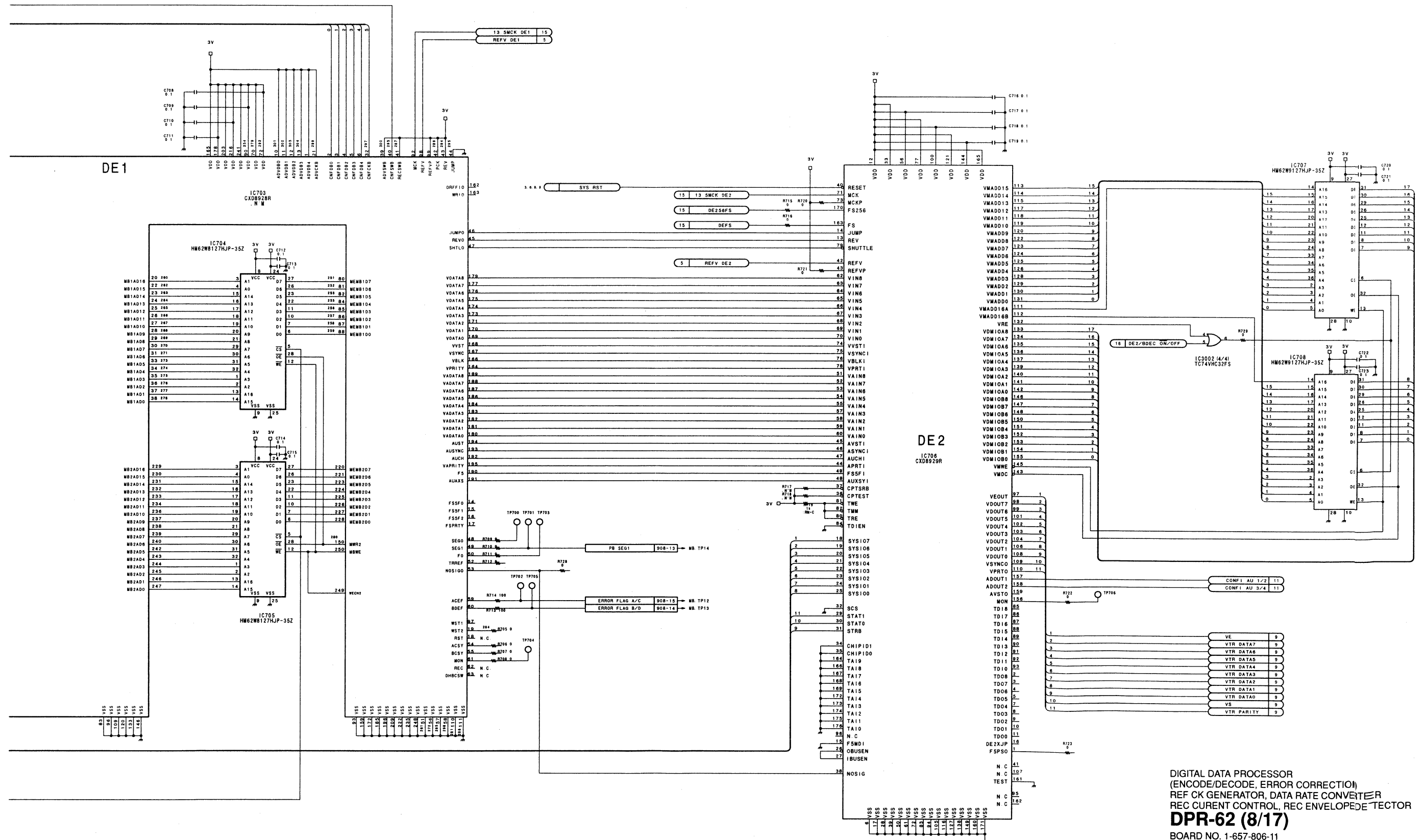




DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURENT CONTROL, REC ENVELOPE DETECTOR  
**DPR-62 (7/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-VDVW250-DPR62-12-S/M







DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

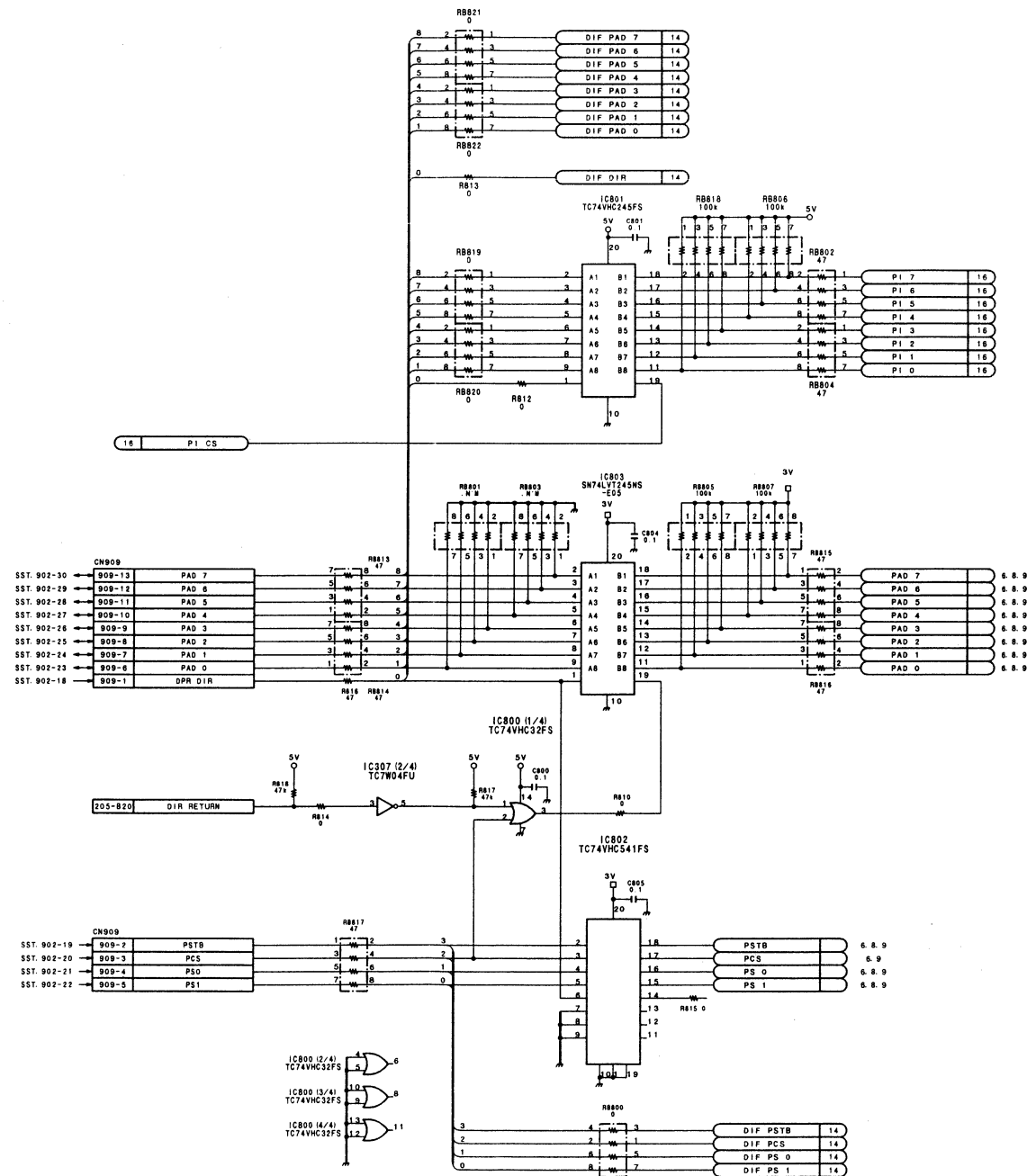
1

2

3

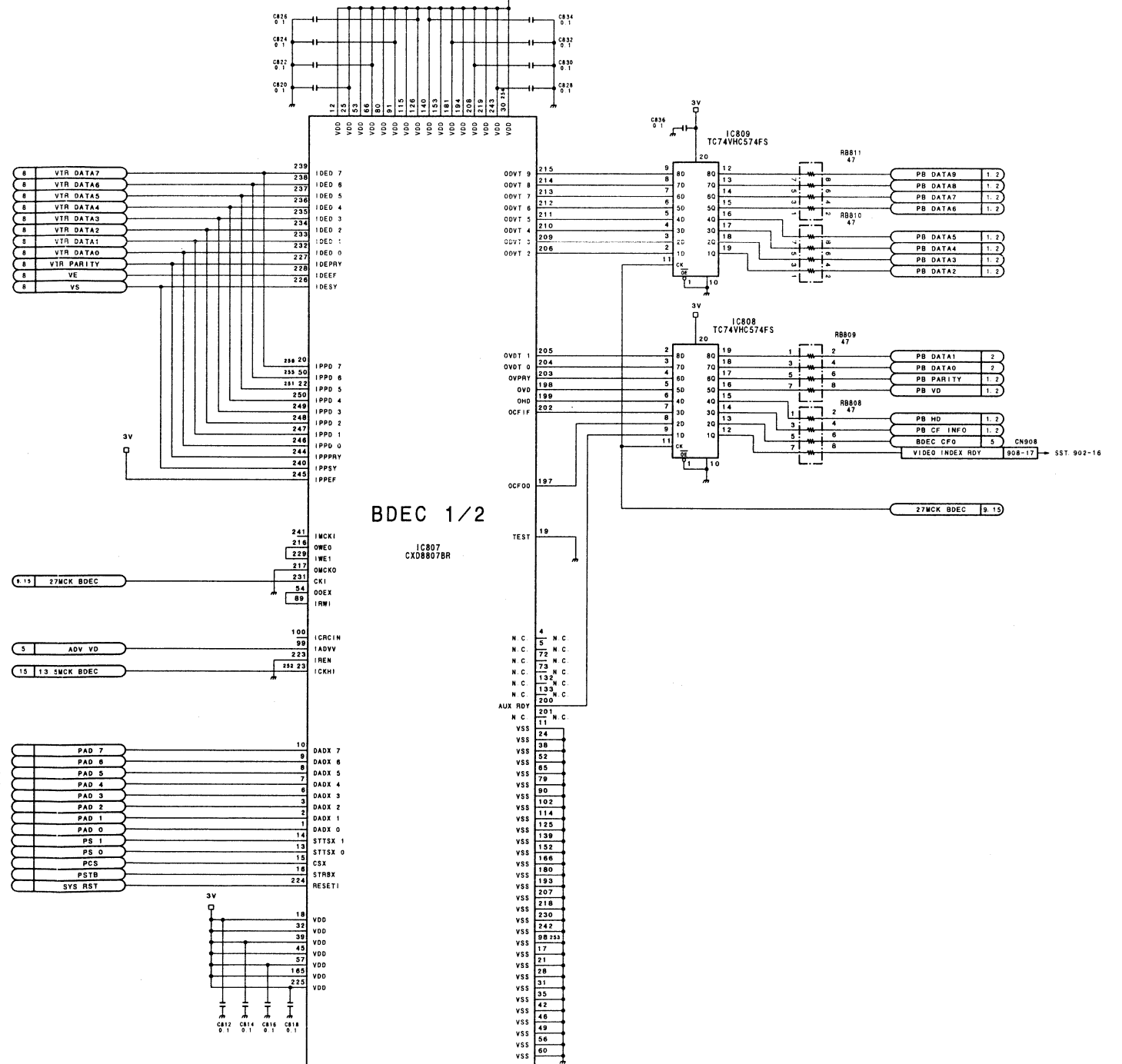
4

5



3-54

D

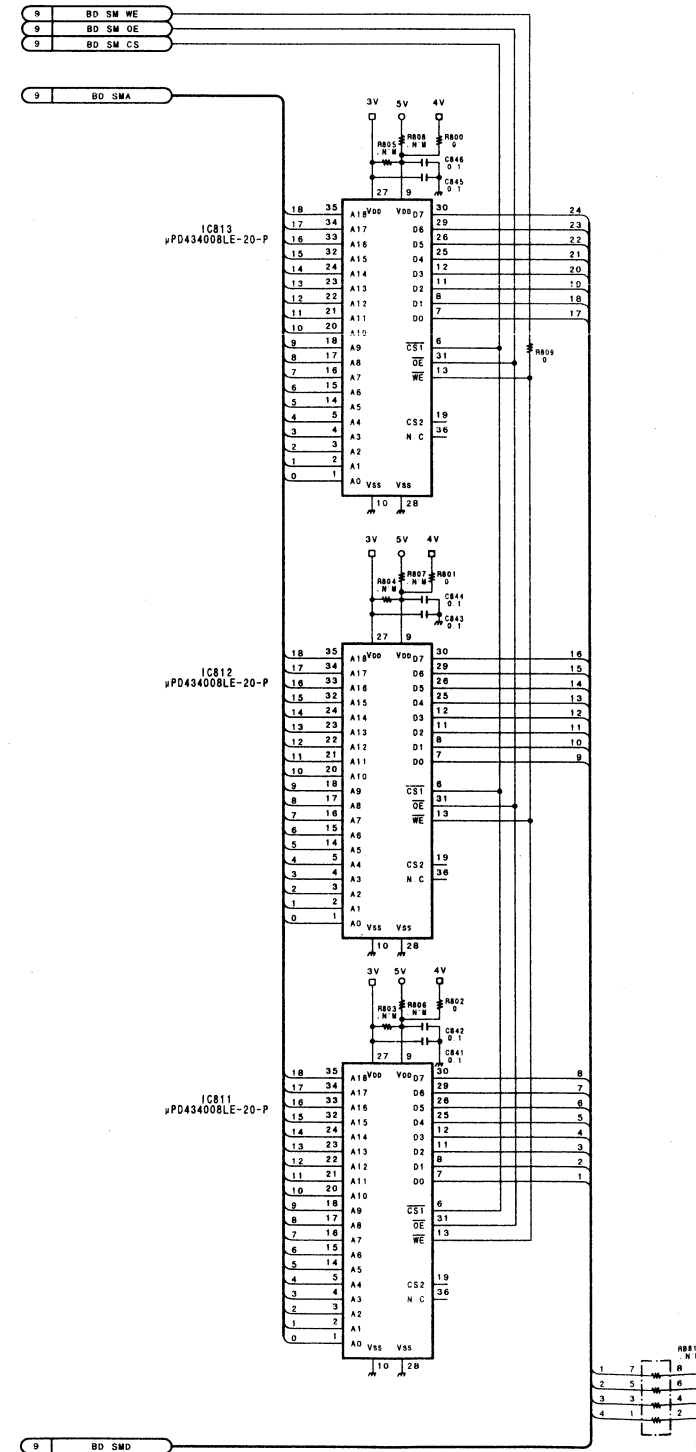
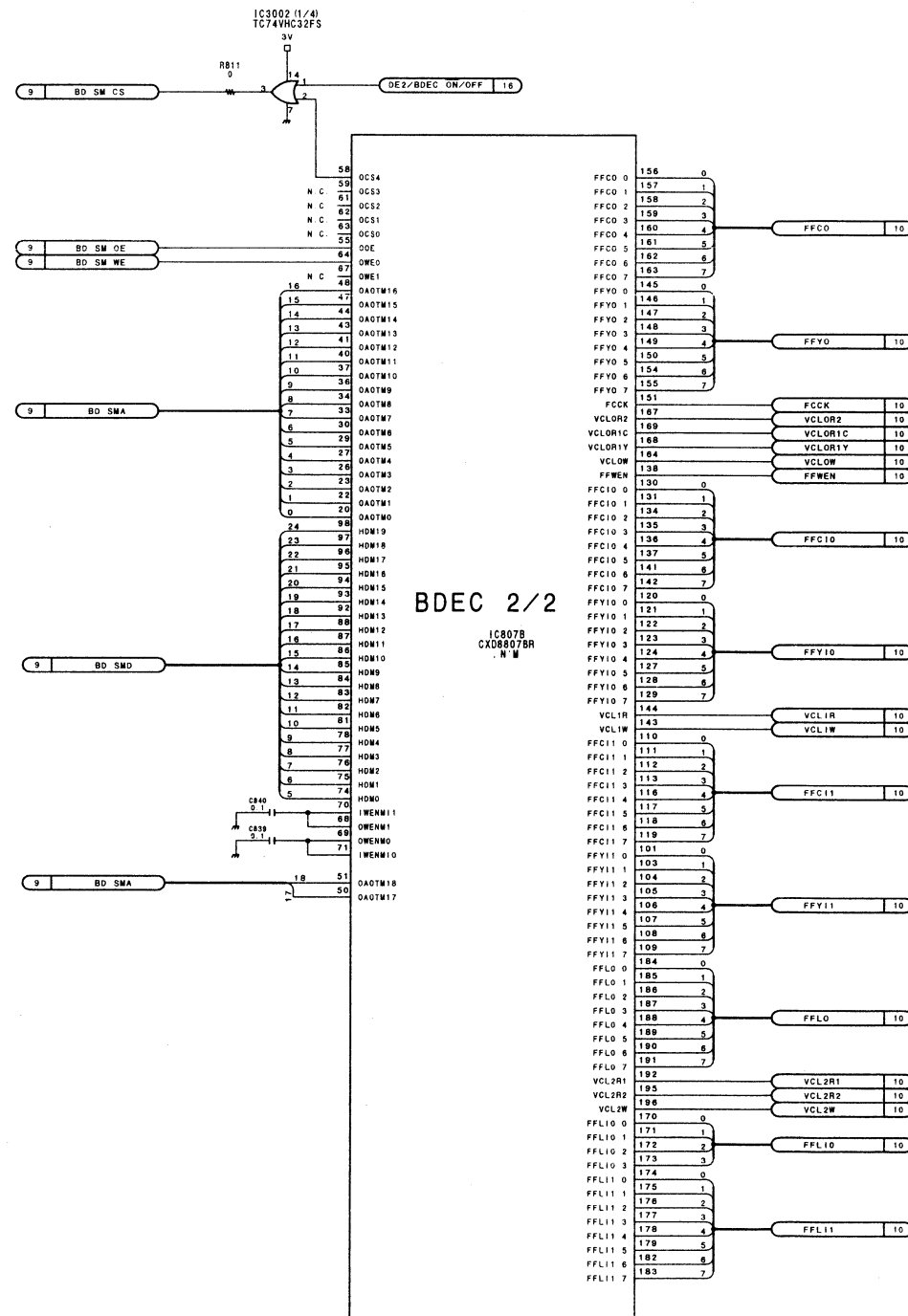


3-54

E

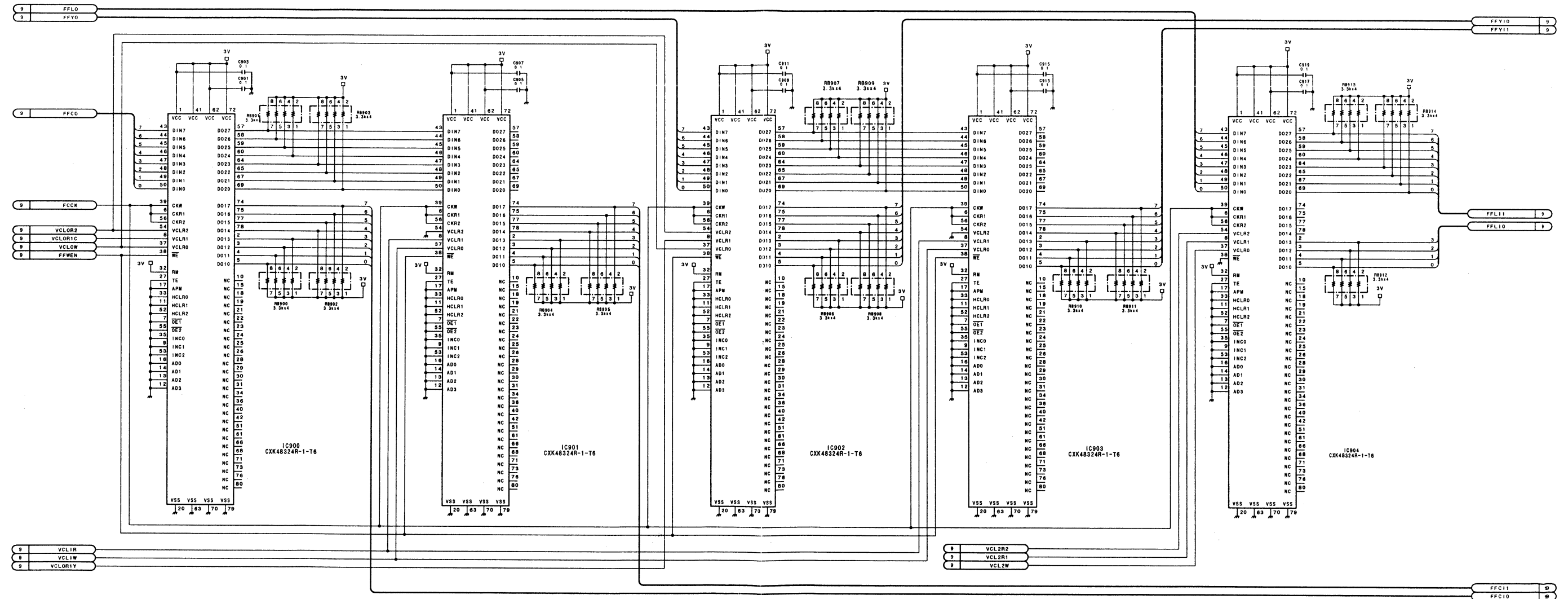
DVW-250/30 P

H



DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURENT CONTROL, REC ENVELOPE DETECTOR  
**DPR-62 (9/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-VDVW250-DPR62-12-S/M

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)



DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURENT CONTROL, REC ENVELOPE DETECTOR  
**DPR-62 (10/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-V0VW250-DPR62-12-S/M

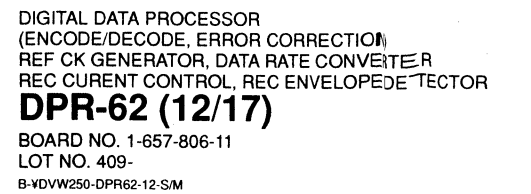




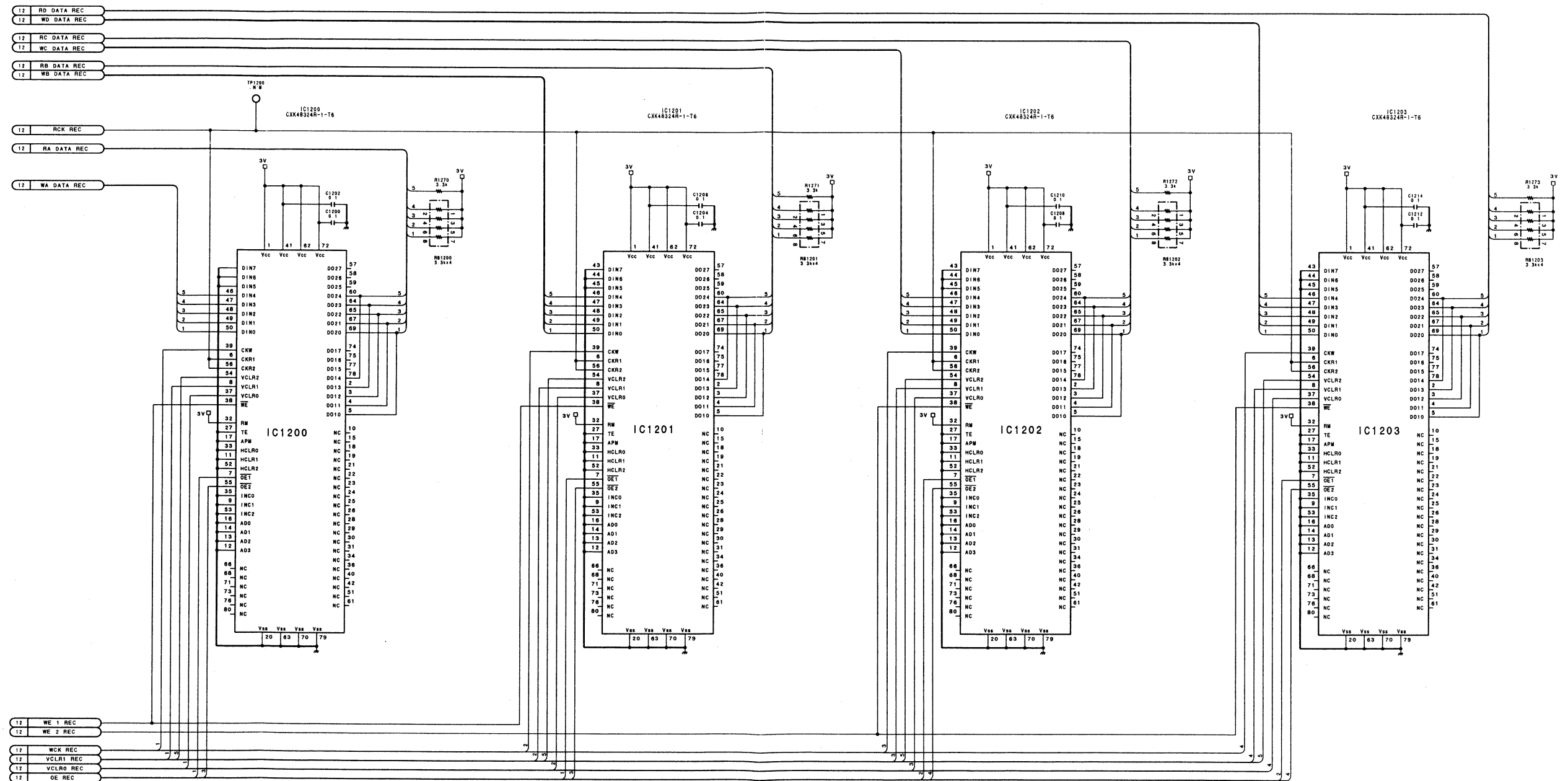


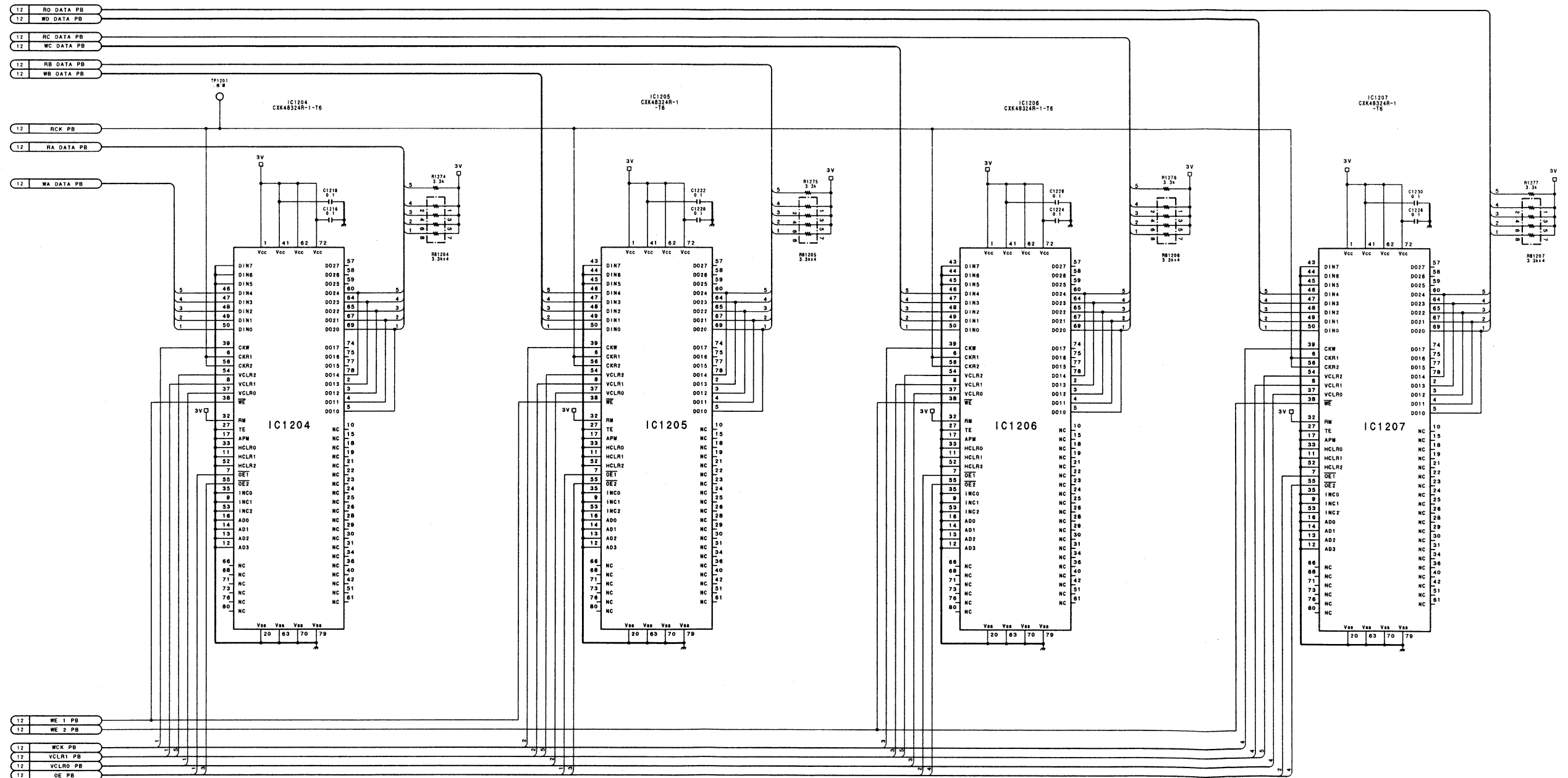






DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURENT CONTROL, REC ENVELOPE DETECTOR  
**DPR-62 (13/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-VDVW250-DPR62-12-S/M

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

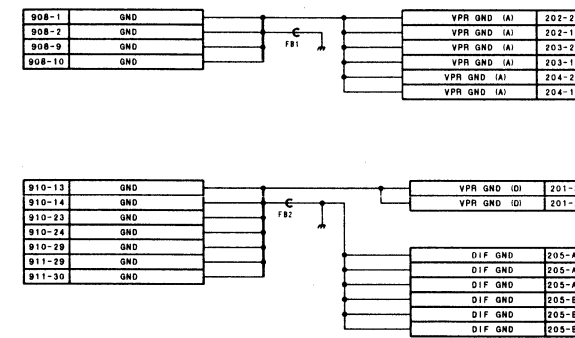
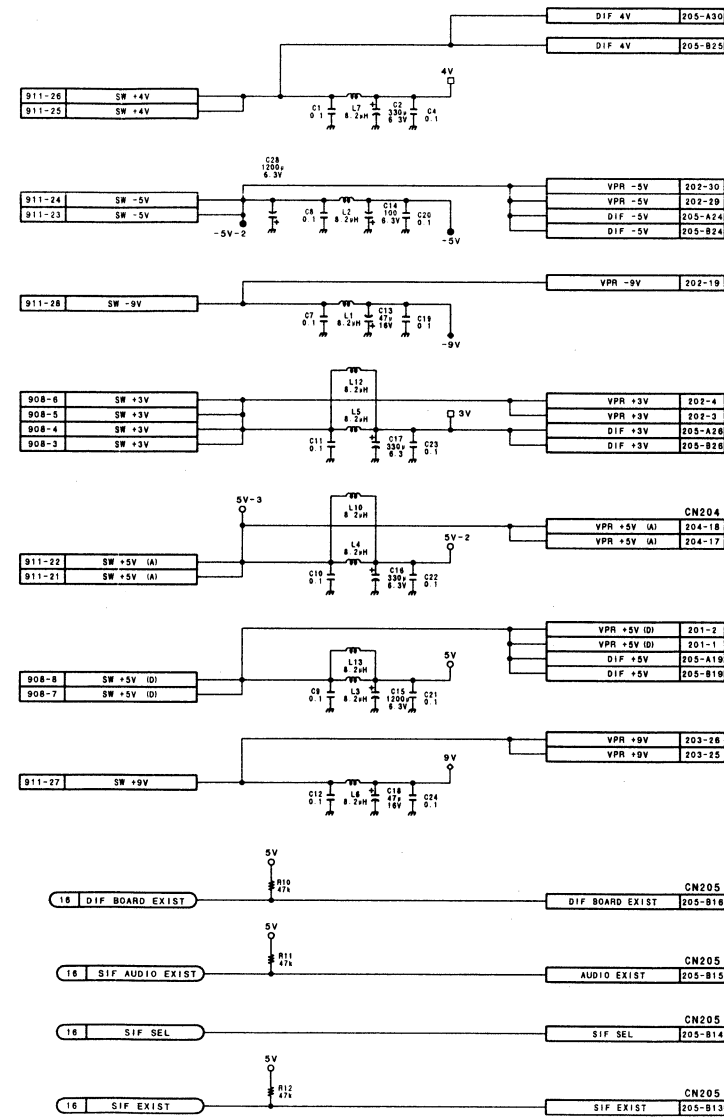
1

2

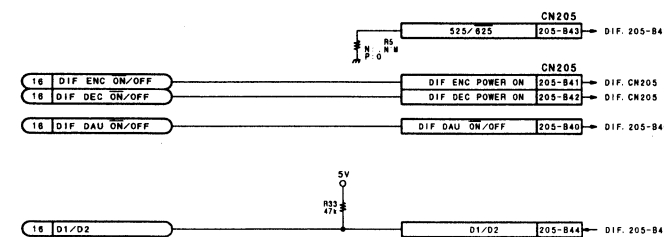
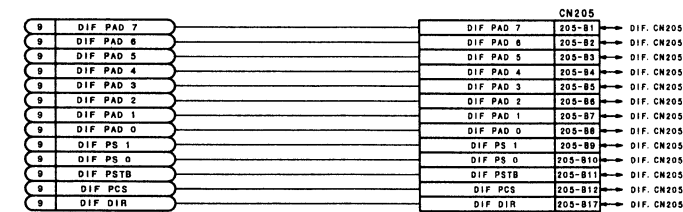
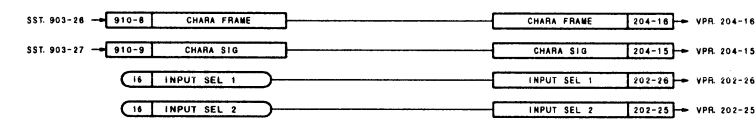
3

4

5

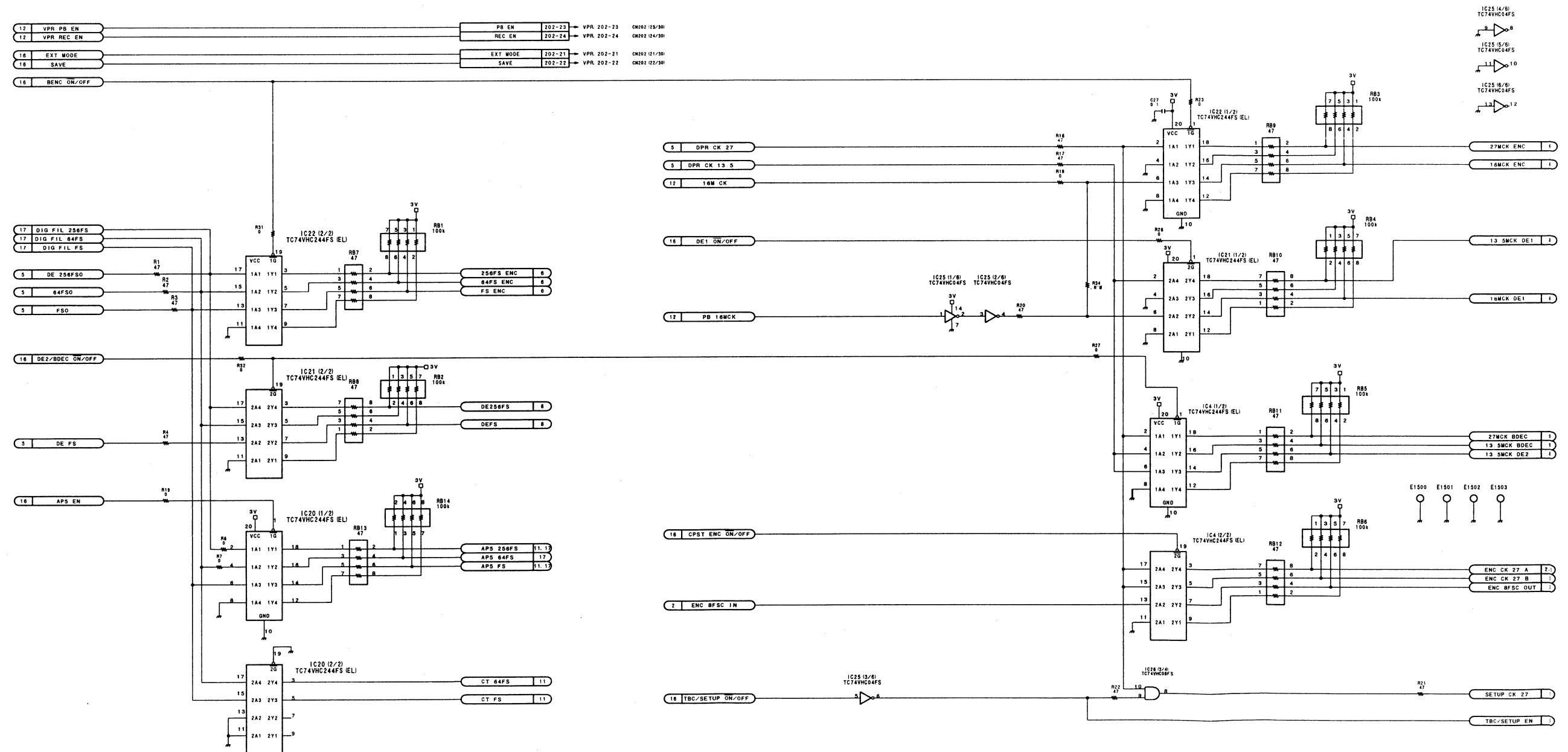


N C	201-13
N C	202-28
N C	202-27
N C	908-11
N C	908-12
N C	908-13
N C	908-14
N C	908-15
N C	908-16
N C	908-17
N C	908-18
N C	908-19
N C	908-20



DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURENT CONTROL, REC ENVELOPE DETECTOR  
**DPR-62 (14/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-VDVW250-DPR62-12-S/M

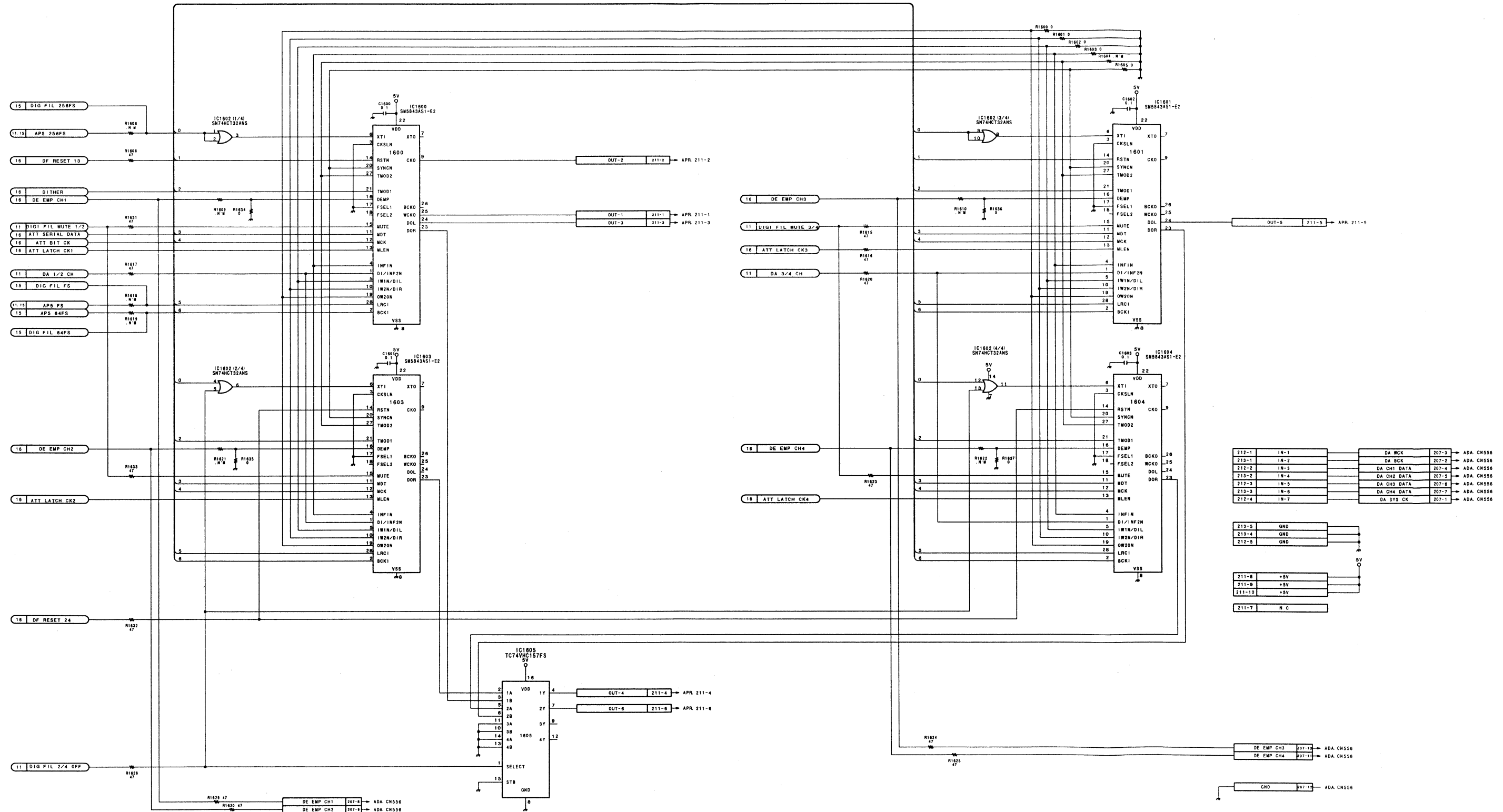
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)



DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION)  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURENT CONTROL, REC ENVELOPE DETECTOR  
**DPR-62 (15/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-YDVW250-DPR62-12-S/M



DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)



DIGITAL DATA PROCESSOR  
(ENCODE/DECODE, ERROR CORRECTION  
REF CK GENERATOR, DATA RATE CONVERTER  
REC CURENT CONTROL, REC ENVELOPE DETECTOR)  
**DPR-62 (17/17)**  
BOARD NO. 1-657-806-11  
LOT NO. 409-  
B-4DVW250-DPR62-12-S/M



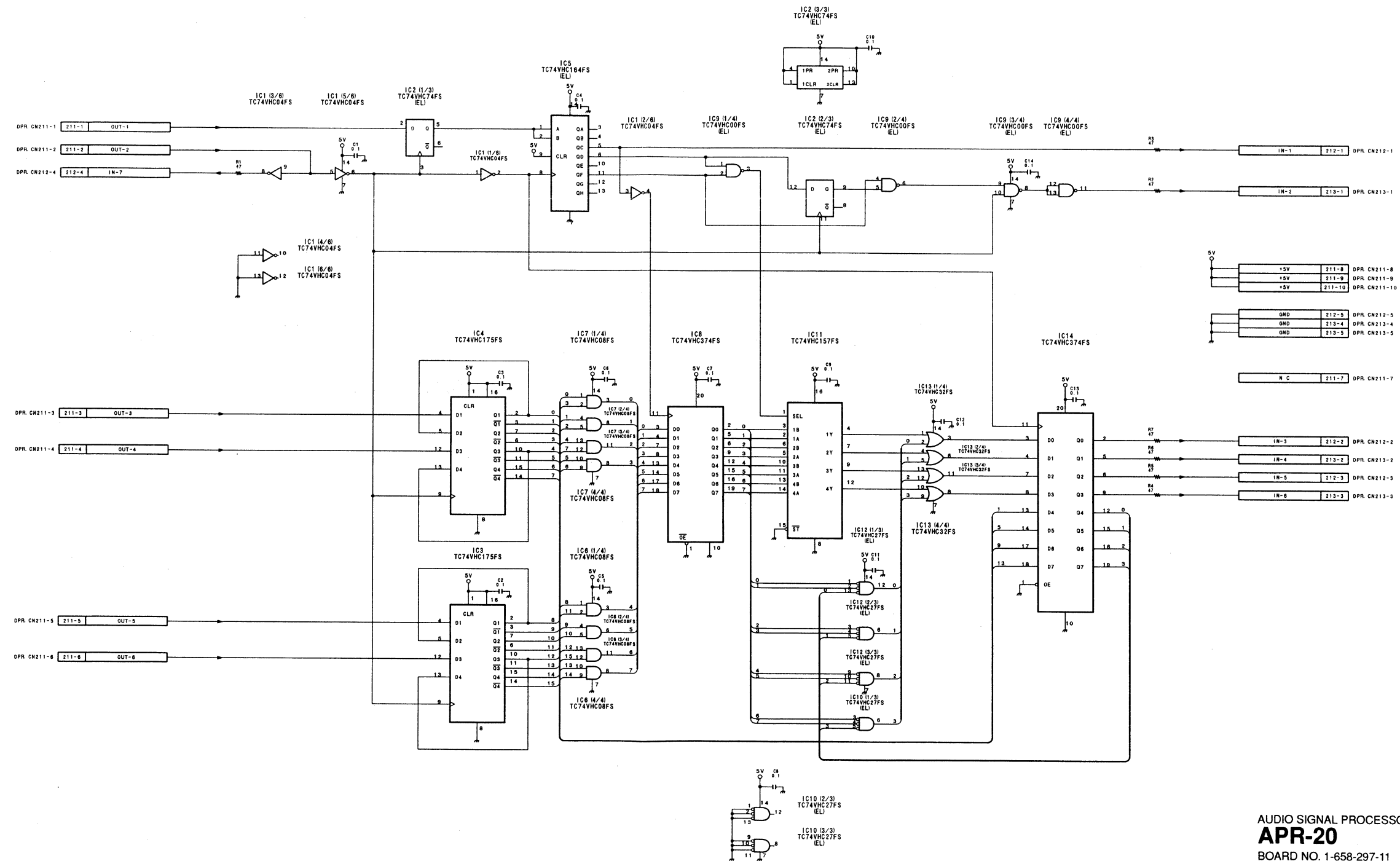
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

APR-20 (1-658-297-11)

CN211 \*B2  
CN212 \*A6  
CN213 \*A6

IC1 C2  
IC2 C3  
IC3 A2  
IC4 B2  
IC5 C4  
IC6 A3  
IC7 B3  
IC8 B4  
IC9 C5  
IC10 A5  
IC11 B5  
IC12 A4  
IC13 B6  
IC14 A6

\* : Soldering Side



AUDIO SIGNAL PROCESSOR (LIMITER)  
**APR-20**  
BOARD NO. 1-658-297-11  
LOT NO. 409-  
B-VDW250-APR20-11

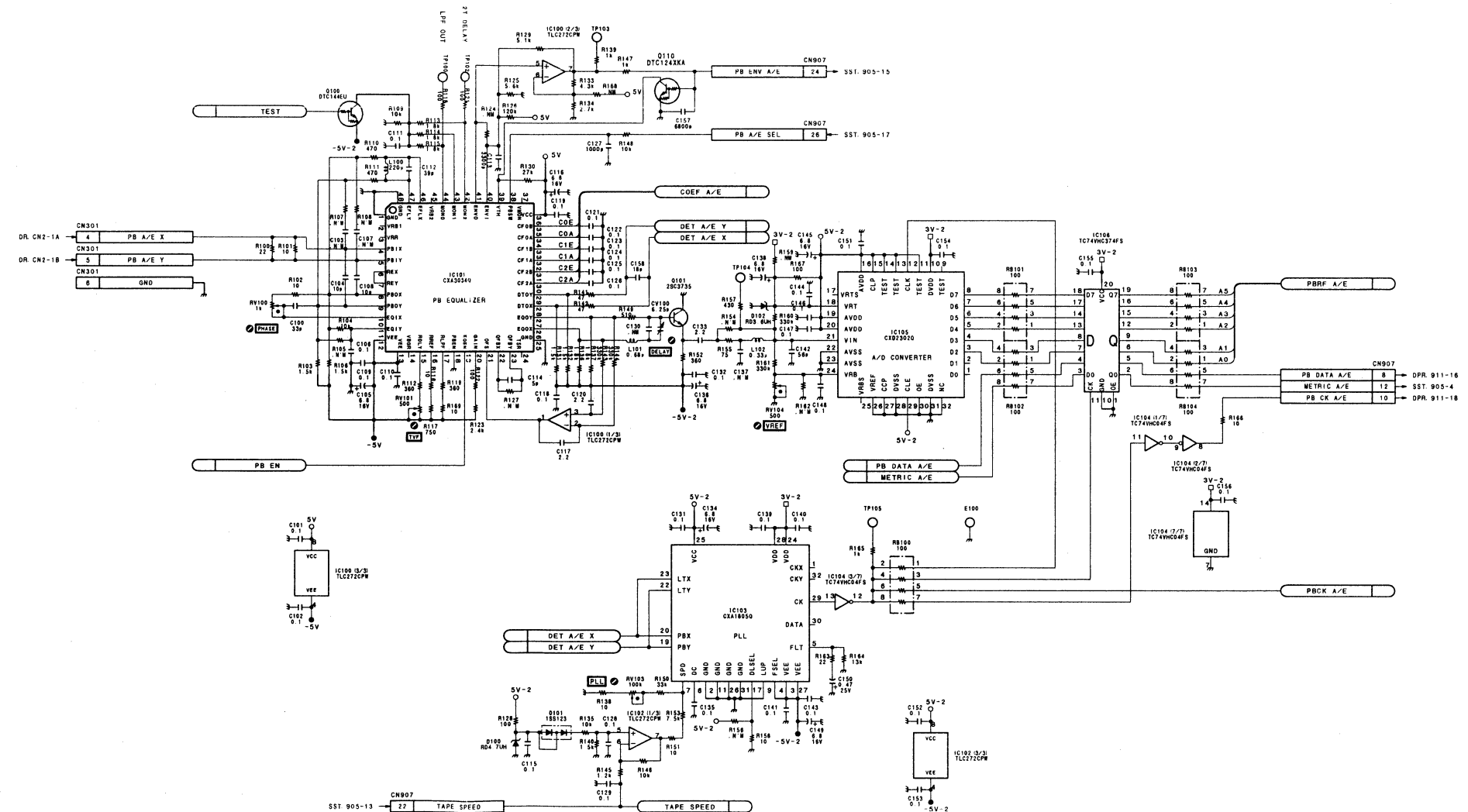


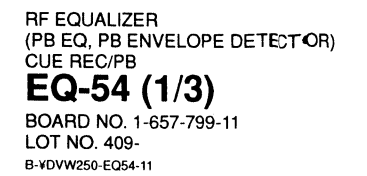
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

EQ-54 (1-657-799-11)

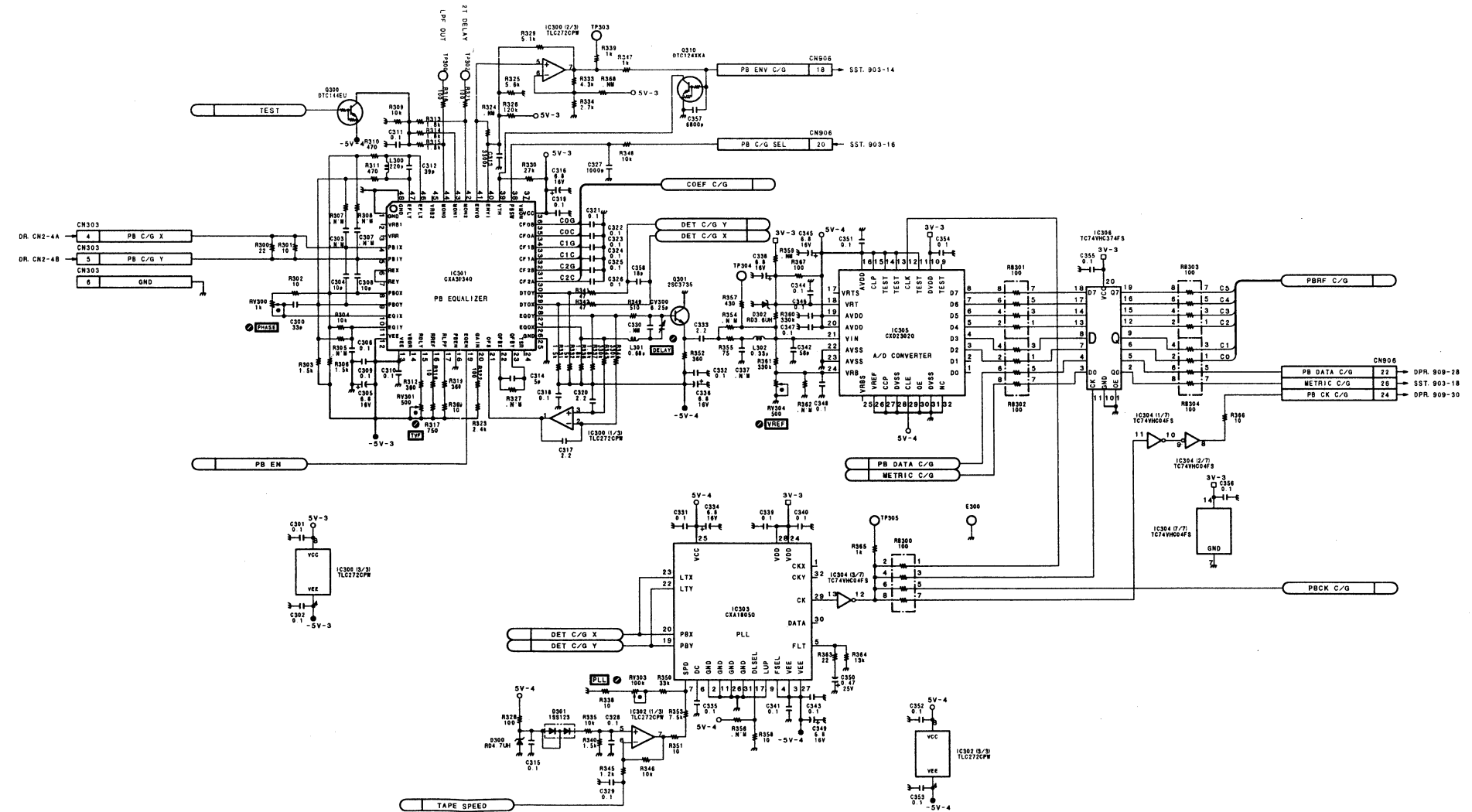
CN301	A1	L100	*A2	RB304	D4
CN302	E1	L101	*A2	RB400	E3
CN303	D1	L102	*A3	RB401	F3
CN304	G1	L200	*C2	RB402	E3
CN906	F4	L201	*B2	RB403	F4
CN907	B4	L202	*C3	RB404	E4
		L300	*D2	RB530	C4
CT800	G2	L301	*D2		
		L302	*D3		
CV100	*A2	L400	*E2	RV100	*A2
CV200	*B2	L401	*E2	RV101	*A1
CV300	*D2	L402	*F3	RV103	*B3
CV400	*E2	L800	G4	RV104	*A3
CV800	G2	L801	E4	RV200	*B2
		L802	G2	RV201	*B1
		L900	D4	RV203	*B3
D100	*B3	L901	C4	RV204	*C3
D101	B3	L902	A4	RV300	*D2
D102	*A3			RV301	*D1
D200	*B3			RV303	*D3
D201	B3	Q100	*B2	RV304	*C3
D202	*C3	Q101	*A2	RV400	*E2
D300	*E3	Q110	B2	RV401	*E1
D301	D3	Q200	*C2	RV403	*E3
D302	*C3	Q201	*B3	RV404	*E3
D400	*E3	Q210	C2	RV800	*G2
D401	E3	Q300	*E2	RV801	*G1
D402	*E3	Q301	*D2	RV802	*G1
D530	*B2	Q310	D2	RV803	*G1
D630	*E2	Q400	*F2		
D800	*G1	Q401	*E3	S700	C1
D801	G1	Q410	F2		
		Q500	B1	TP100	*B1
E100	D3	Q501	B1	TP102	*B2
E200	*D4	Q502	*B1	TP103	*B2
E300	A3	Q503	*B1	TP104	*A3
E400	*D4	Q504	*C2	TP105	*A3
E800	*F3	Q505	*C2	TP200	*C1
		Q506	C2	TP202	*C2
IC100	*B2	Q507	A2	TP203	*C2
IC101	A2	Q508	*B4	TP204	*C3
IC102	B3	Q600	D1	TP205	*C3
IC103	B3	Q601	D1	TP300	*D1
IC104	*B4	Q602	*D1	TP302	*D2
IC105	A3	Q603	*D1	TP303	*D2
IC106	*A4	Q604	*F2	TP304	*D3
IC200	*C2	Q605	*F2	TP305	*D3
IC201	C2	Q606	F2	TP400	*F1
IC203	B3	Q607	D2	TP402	*F2
IC205	C3	Q608	*D4	TP403	*F2
IC206	*C4	Q700	*F1	TP404	*F3
IC300	*D2	Q701	*F1	TP405	*E3
IC301	D2	Q702	*F1	TP800	*F3
IC302	E3	Q703	F1	TP801	*G1
IC303	D3	Q704	E1	TP802	*F3
IC304	*E4	Q800	G3	TP803	*G2
IC305	D3	Q801	G3	TP804	*G1
IC306	*D4	Q802	G2	TP805	*G1
IC400	*F2	Q803	G2	TP806	*G2
IC401	E2	Q804	*G2		
IC403	E3	Q805	G2		
IC405	F3	Q806	G3		
IC406	*F4	Q807	*G2		
IC500	B4	Q808	*G2		
IC501	B2	Q809	G2		
IC600	E4	Q810	G2		
IC601	D2	Q811	G1		
IC700	G4	Q812	G1		
IC701	G4				
IC702	G4	RB100	A3		
IC705	G4	RB102	A3		
IC706	G3	RB103	A4		
IC708	G3	RB104	A4		
IC800	G1	RB200	C3		
IC801	G2	RB201	C3		
IC802	G1	RB202	C3		
IC803	*G2	RB203	C4		
IC804	F3	RB204	C4		
IC805	F2	RB300	D3		
IC806	*F2	RB301	D3		
		RB302	C3		
LV800	G2	RB303	D4		

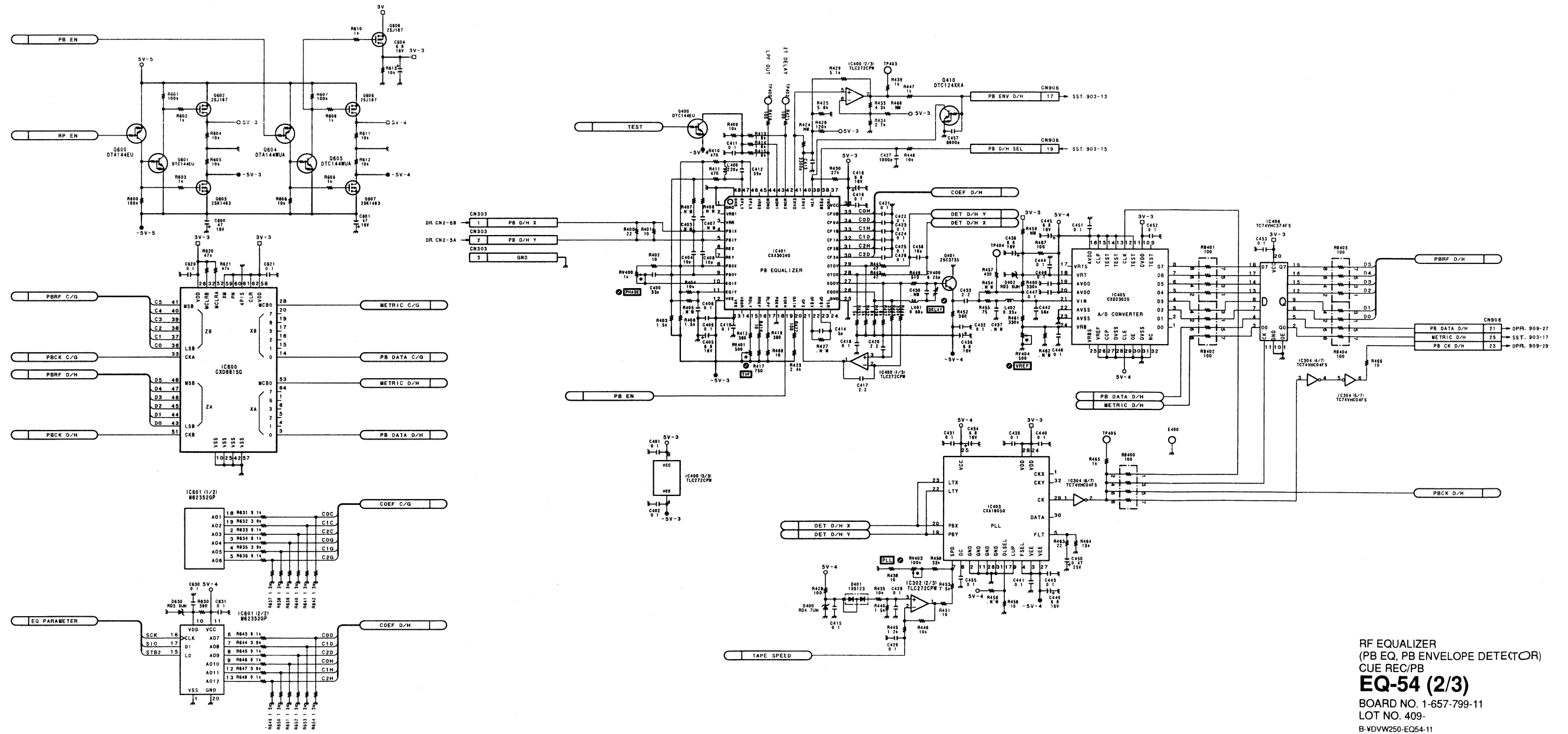
\*: Soldering Side



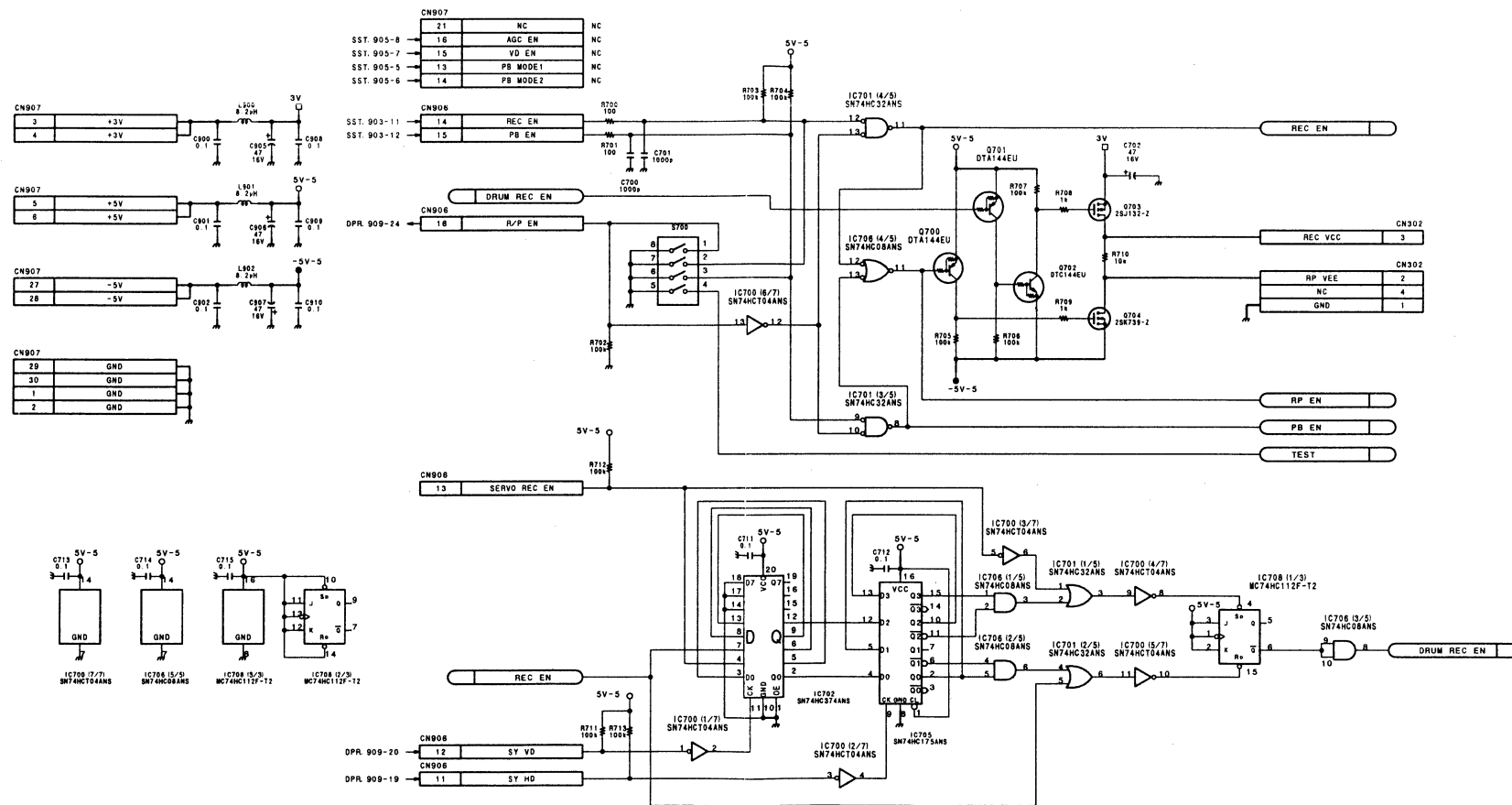


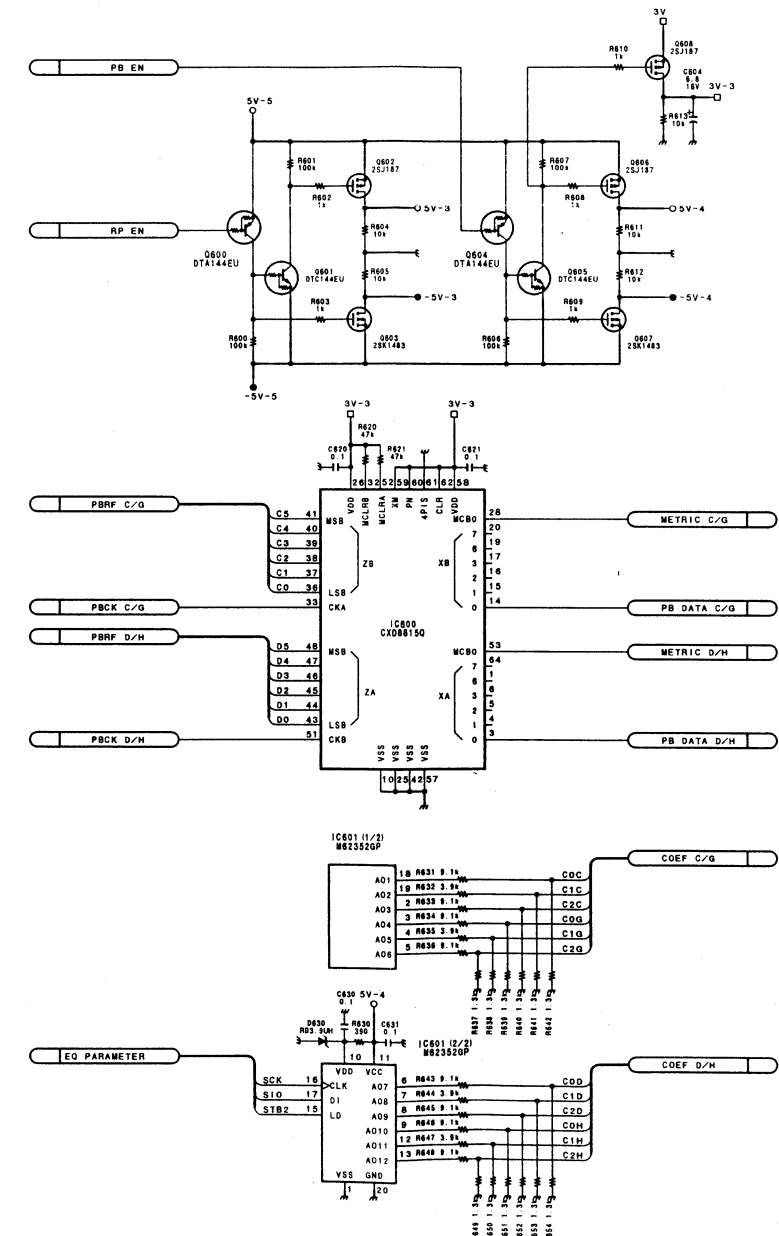
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





**DVW-250 (J)**  
**DVW-250 (UC)**  
**DVW-250P (SY)**





EQ-54 (3/3)

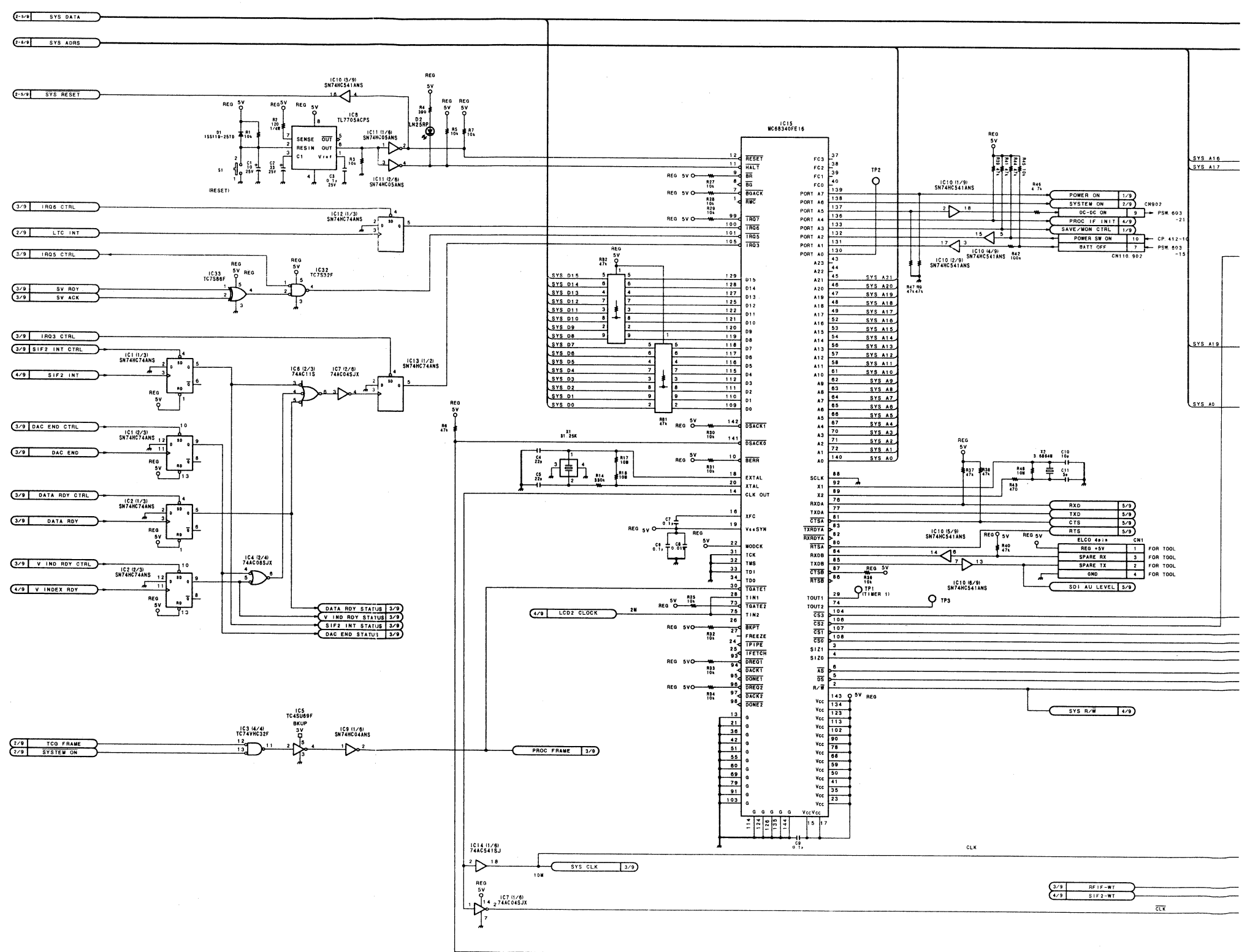


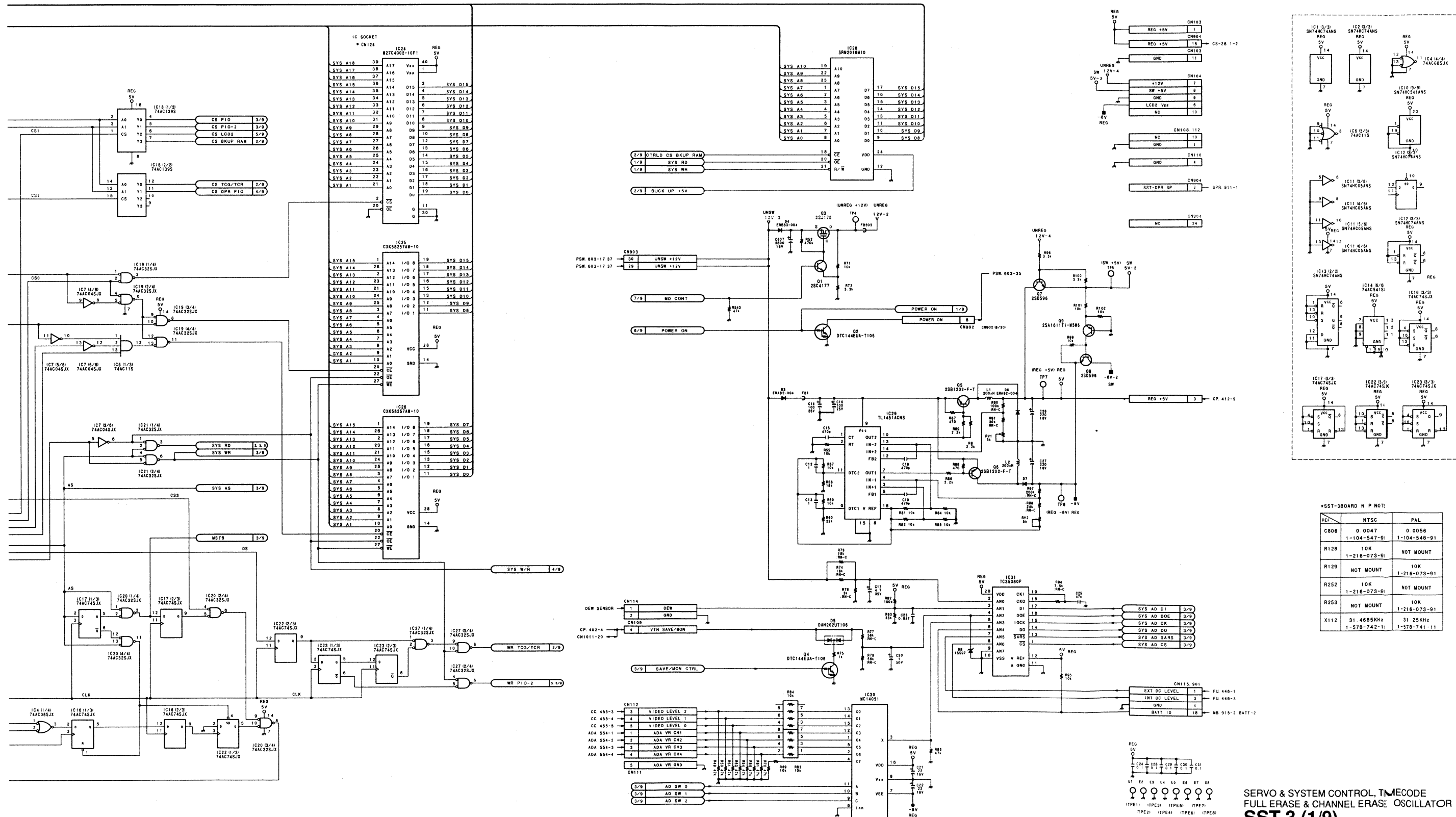
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

SST-3 (1-657-804-11)

BT111	*E1	E2	E2	IC409	D9	Q619	J6	TP1	B5
CNI24	C2	E3	H2	IC410	D10	Q620	B7	TP2	D4
CNI413	E8	E5	F5	IC411	E6	Q621	B7	TP3	D4
		E6	H5	IC412	F6	Q622	H7	TP4	C6
CN1	B5	E7	B6	IC414	*E7	Q624	B7	TP5	B8
CN101	J3	E8	G6	IC501	A10	Q625	B7	TP7	B2
CN102	*G10	E801	J10	IC502	B9	Q626	*H6	TP111	E4
CN103	A3	E901	A9	IC504	C9	Q627	*H7	TP112	D4
CN104	A2			IC505	B10	Q628	*B7	TP113	D4
CN105	J8	FB1	*C7	IC506	H6	Q629	*B7	TP114	D3
CN106	J4	FB601	*A6	IC601	E9	Q801	J8	TP116	E3
CN107	*F10	FB602	G6	IC602	E10	Q802	J9	TP153	E1
CN108	J1	FB603	H10	IC603	E10	Q851	*J10	TP401	D8
CN109	J7			IC604	E9	Q852	*J10	TP501	B9
CN110	J8	IC1	*D3	IC605	E7	Q853	*J9	TP502	B9
CN111	A1	IC2	*D3	IC606	A6	Q854	J9	TP503	B9
CN112	J2	IC3	F4	IC607	G7	Q855	J9	TP504	B9
CN113	J3	IC4	G2	IC608	H7	Q856	H10	TP505	B10
CN114	*B10	IC5	H4	IC609	B8	Q901	*A10	TP506	F5
CN115	J1	IC6	*F3	IC610	B8	Q902	*A10	TP507	F5
CN501	D6	IC7	C1	IC611	J7	Q903	*A9	TP508	B10
CN901	J10	IC8	A5	IC612	B6	Q904	A9	TP601	H7
CN902	G10	IC9	*G4	IC801	J10	Q905	A9	TP602	A8
CN903	D10	IC10	C5	IC802	J9	Q941	*A7	TP801	J10
CN904	C10	IC11	A5	IC803	J10	Q942	A7	TP802	J8
CN905	A10	IC12	F3	IC851	J10	Q943	A7	TP851	J10
		IC13	*G3	IC852	H10	Q944	*A7	TP852	H9
CT941	A8	IC14	F3	IC853	H9	Q945	*A7	TP901	A10
CT961	H8	IC15	C4	IC901	A10	Q961	*H8	TP902	A8
		IC16	F4	IC902	A10	Q962	*H8	TP941	A8
CV111	D4	IC17	F3	IC903	A9	Q963	H7	TP942	A7
		IC18	D3	IC904	A8	Q964	*J8	TP961	H8
		IC19	C3	IC941	A7	Q965	*J8	TP962	H8
		IC20	G3	IC961	H8	Q966	H7		
D1	A5	IC21	C1					X1	B5
D2	A5	IC22	H3	LV961	G8	RB1	*C4	X2	D4
D3	C7	IC23	H4			RB2	*C4	X111	D5
D4	C7	IC24	C2	L1	C8	RB3	A1	X112	E4
D5	*A1	IC25	B3	L2	C8	RB4	J2	X113	D3
D6	C8	IC26	B2	L301	D1	RB101	D4	X401	D7
D7	C8	IC27	G4	L601	E7	RB102	D5		
D111	E5	IC28	C3	L602	F7	RB151	*A3		
D112	E1	IC29	B7	L603	G8	RB152	*B3		
D113	E4	IC30	B1	L604	B8	RB153	*B4		
D114	D1	IC31	B1	L941	A7	RB154	*A3		
D115	E3	IC32	A3	L961	J7	RB155	*A4		
D301	E1	IC33	A4	L981	G9	RB156	*A3		
D302	D1	IC34	E4	L982	G9	RB157	*A3		
D351	*J3	IC112	D5			RB158	*F1		
D352	*J3	IC113	D4	Q1	*C7	RB159	*E2		
D353	*J3	IC114	E5	Q2	*C7	RB160	*E2		
D354	*J3	IC115	F4	Q3	C7	RB161	*E1		
D355	*J3	IC116	E4	Q4	*A1	RB162	*E2		
D356	*J3	IC117	E4	Q5	*C8	RB163	*F2		
D357	*J3	IC118	F4	Q6	*C8	RB301	*H2		
D358	*J3	IC119	G5	Q7	*B7	RB302	*J2		
D401	C6	IC120	G4	Q8	*B9	RB303	*J1		
D402	C6	IC121	A4	Q9	*C8	RB304	*E5		
D403	D6	IC122	A3	Q151	*A3	RB305	*F4		
D404	C6	IC123	A4	Q152	*A3	RB401	D8		
D405	B6	IC124	A3	Q153	*A3	RB402	D5		
D406	B6	IC125	A3	Q401	*C6	RB403	D5		
D407	C6	IC126	E1	Q402	*C6	RB404	*D6		
D408	A6	IC127	G3	Q403	D6	RB405	*E6		
D409	*A6	IC128	F5	Q404	C6	RB406	*D5		
D501	*J6	IC129	E2	Q405	B6	RB501	G6		
D502	*J6	IC130	D3	Q406	A6	RB502	G6		
D503	G5	IC131	G3	Q407	C6	RB503	D9		
D504	G5	IC132	D1	Q408	B6	RB504	D9		
D505	*A6	IC133	H1	Q409	A6	RB505	D10		
D506	F6	IC134	J2	Q501	*J3	RB506	D10		
D507	F6	IC135	F5	Q502	J5	RB507	J6		
D508	*F10	IC136	J3	Q503	*H9	RB508	J5		
D509	*J6	IC137	G2	Q601	*F9	RB509	J5		
D510	B6	IC138	G1	Q602	*A6	RB510	J5		
D511	F7	IC139	E5	Q603	*F7	RB511	J5		
D512	A9	IC140	E4	Q604	F9	RB512	*J5		
D513	*H6	IC141	A2	Q605	*F9	RB513	J6		
D514	*B7	IC142	A1	Q606	F9	RB514	J6		
D515	*J6	IC143	H3	Q607	*E6	RV1	C7		
D516	B6	IC144	J4	Q608	F10	RV2	B7		
D517	H10	IC145	F2	Q609	*G10	RV401	A4		
D801	*J9	IC146	D8	Q610	*H6	RV402	*A6		
D802	*J9	IC147	D8	Q611	*B8				
D803	*J9	IC148	D8	Q612	*G8	RY961	G8		
D804	*J9	IC149	D6	Q613	*H6				
D805	*A7	IC150	E8	Q614	*B7	S1	A5		
D806	*H8	IC151	D7	Q615	*H7	S151	F1		
D807	H8	IC152	D7	Q616	*B7	S501	G6		
D808	H8	IC153	D7	Q617	*B7	S502	F6		
D809	H8	IC154	D7	Q618	J7	S503	F6		

\* : Soldering Side



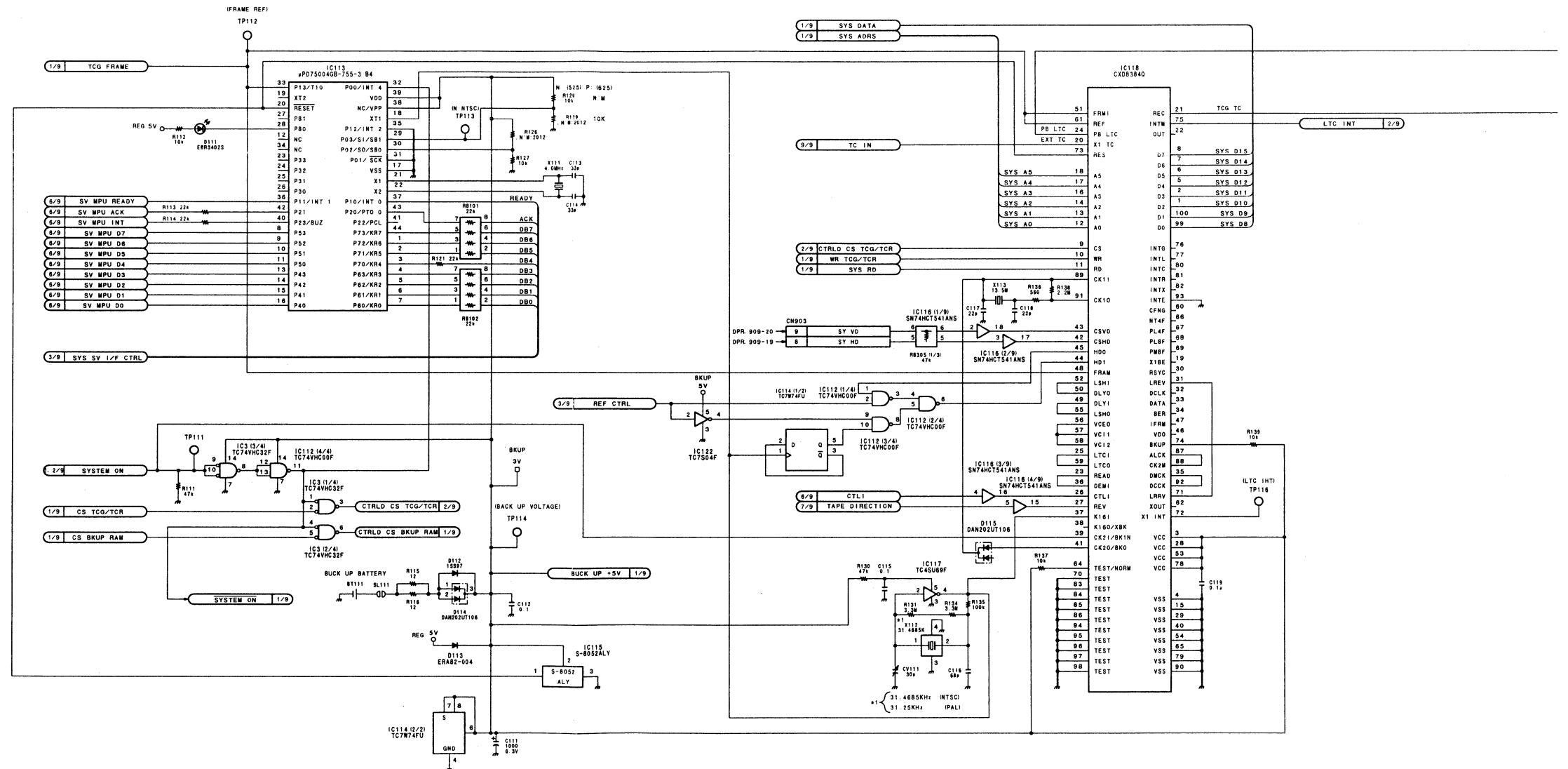


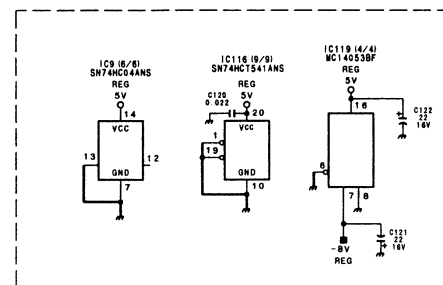
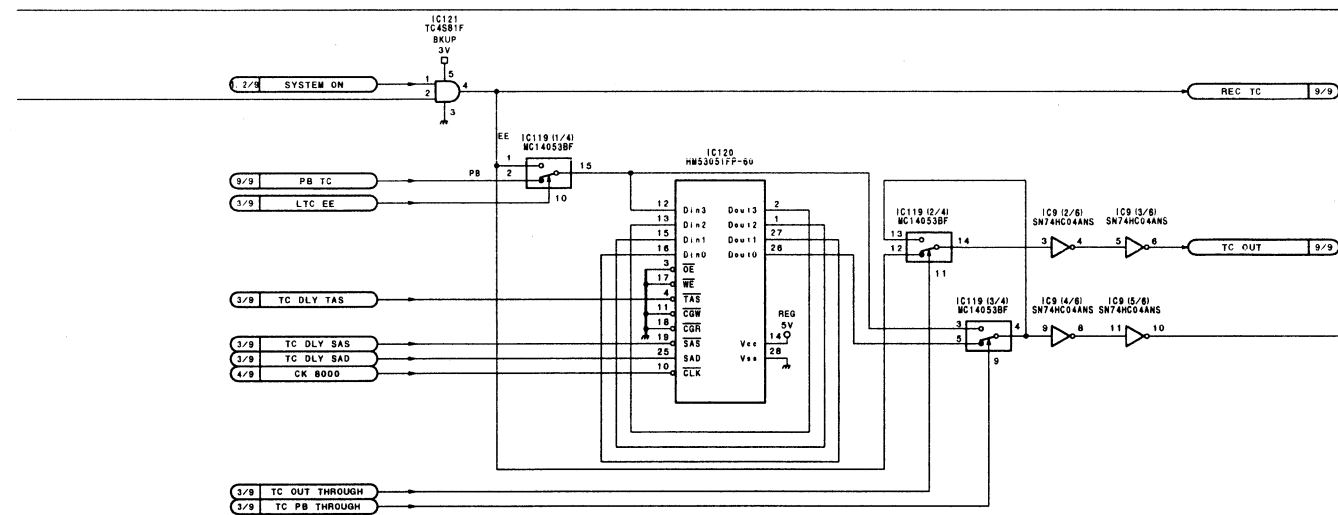
\*SST-3BOARD N P NOTE:

REF	NTSC	PAL
C806	0.0047	0.0056
R128	1-104-547-91	1-104-548-91
R129	10K	NOT MOUNT
R252	1-216-073-91	10K
R253	NOT MOUNT	1-216-073-91
X112	31.4685KHz	31.25KHz
	1-578-742-11	1-578-741-11

SERVO & SYSTEM CONTROL, TIMECODE  
FULL ERASE & CHANNEL ERASE OSCILLATOR  
**SST-3 (1/9)**  
BOARD NO. 1-657-804-11  
LOT NO. 409-  
B-WDVW250-SST-11

DVW-250/250P





SERVO & SYSTEM CONTROL, TIMECODE  
FULL ERASE & CHANNEL ERASE OSCILLATOR  
**SST-3 (2/9)**  
BOARD NO. 1-657-804-11  
LOT NO. 409-  
B-WDVW250-SST1-11

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

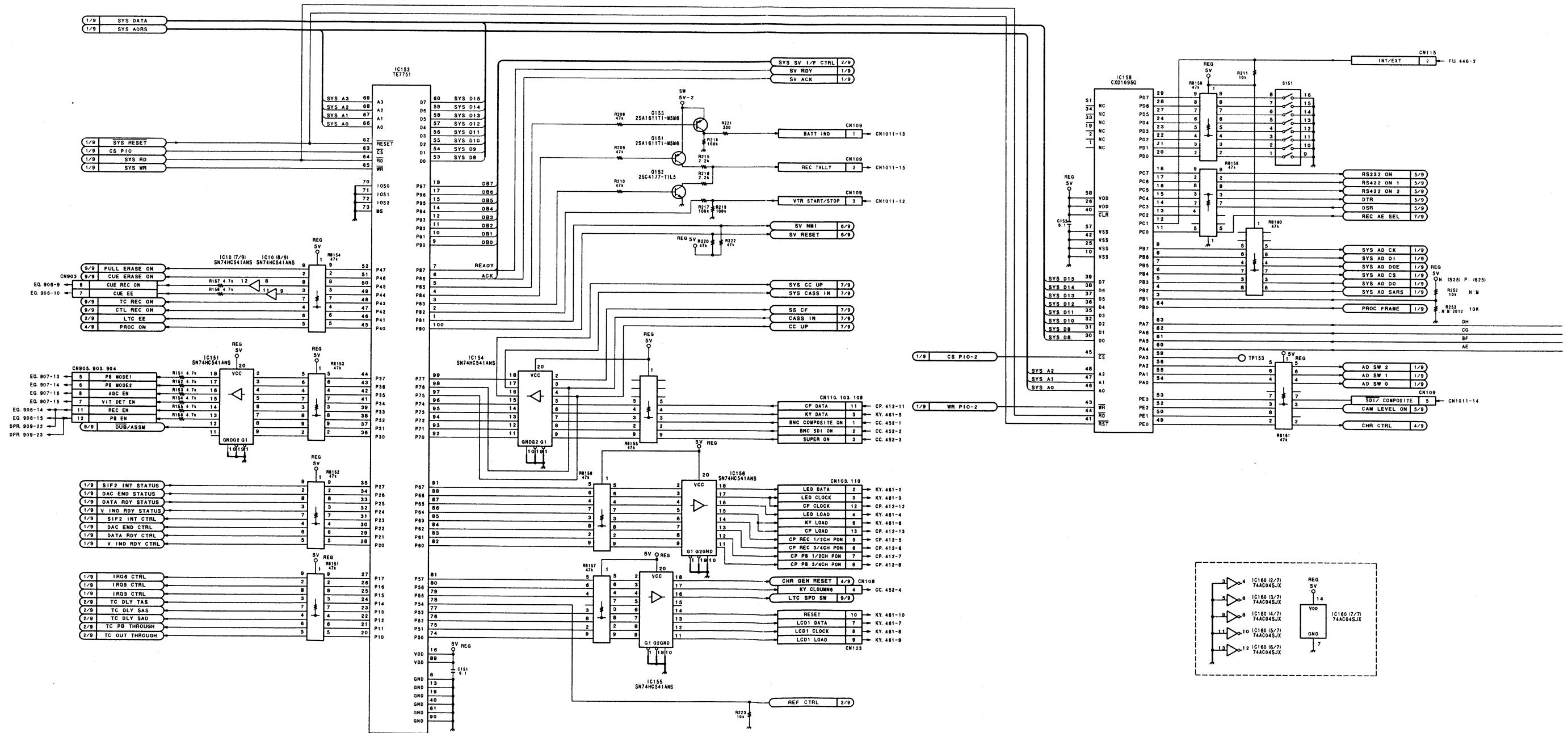
1

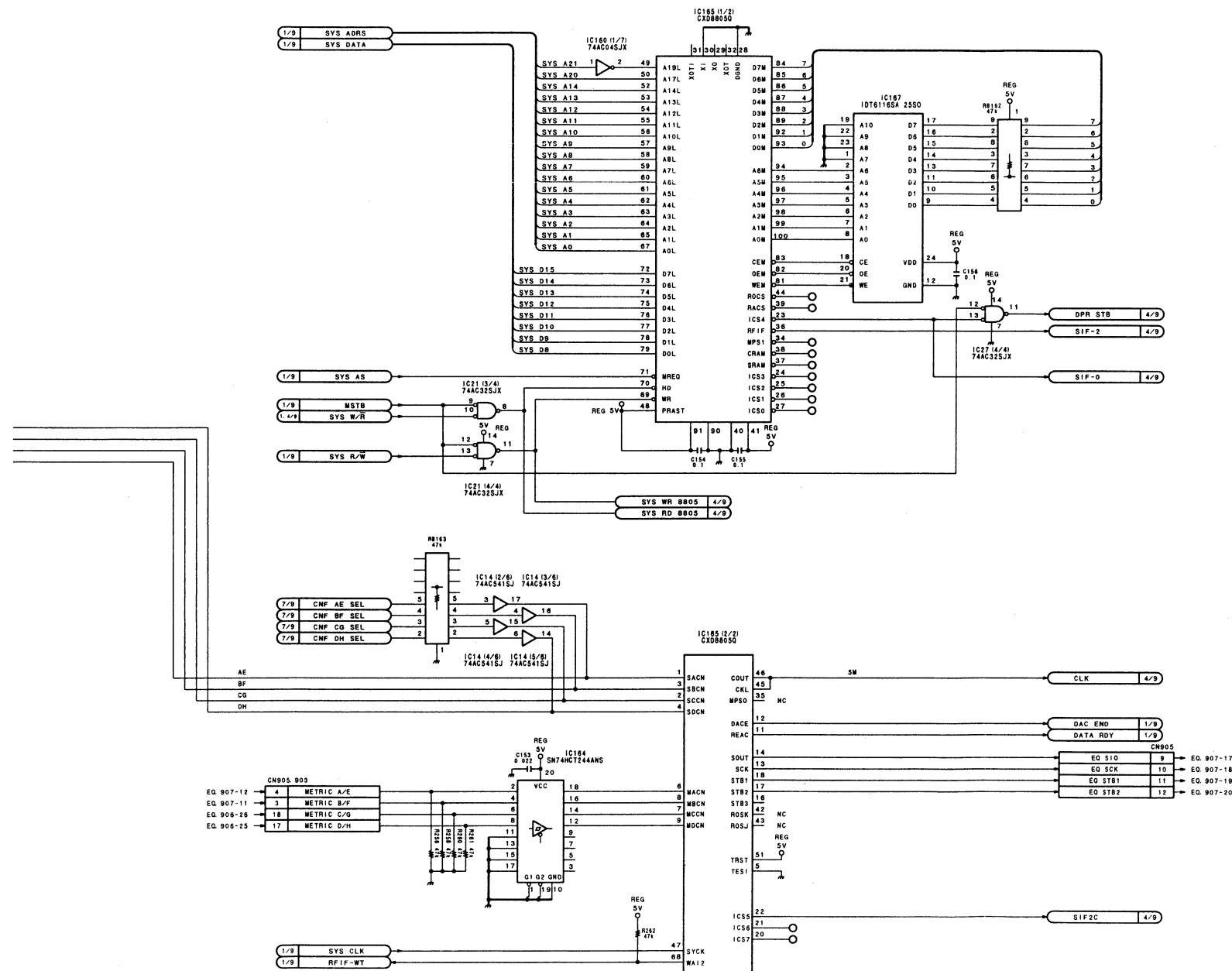
2

3

4

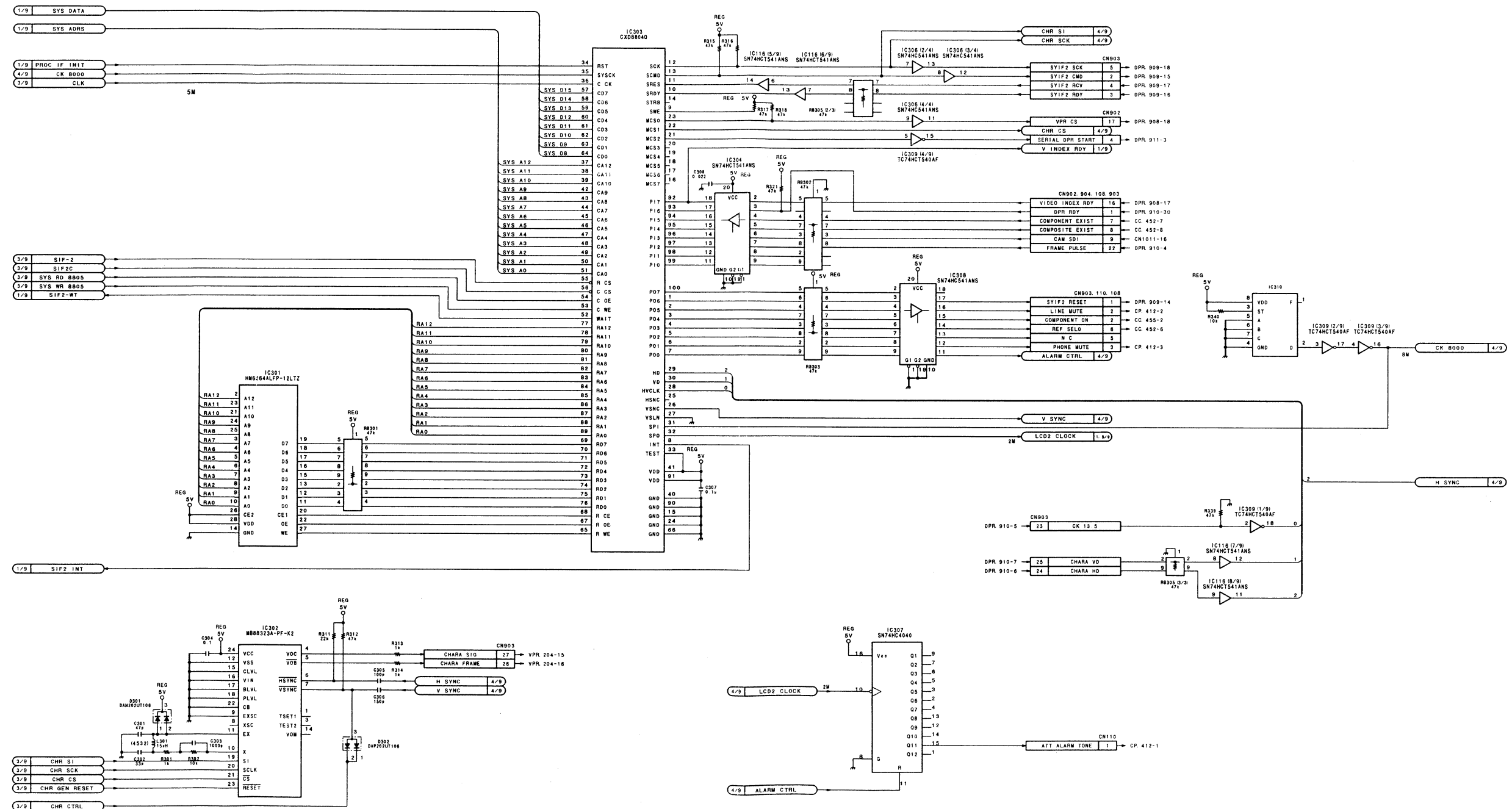
5

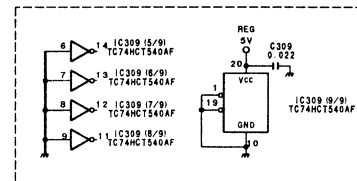
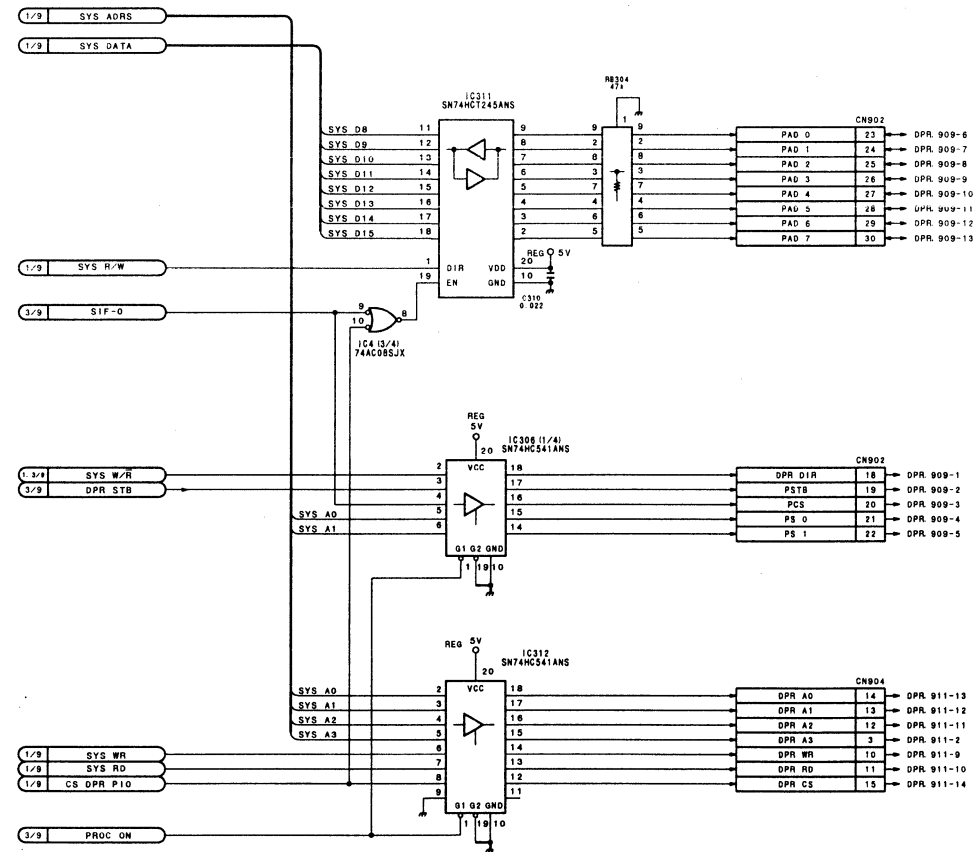




SERVO & SYSTEM CONTROL, TIMECODE  
FULL ERASE & CHANNEL ERASE OSCILLATOR  
**SST-3 (3/9)**  
BOARD NO. 1-657-804-11  
LOT NO. 409-  
B-VDVW250-SST1-11

DVW-250/250P

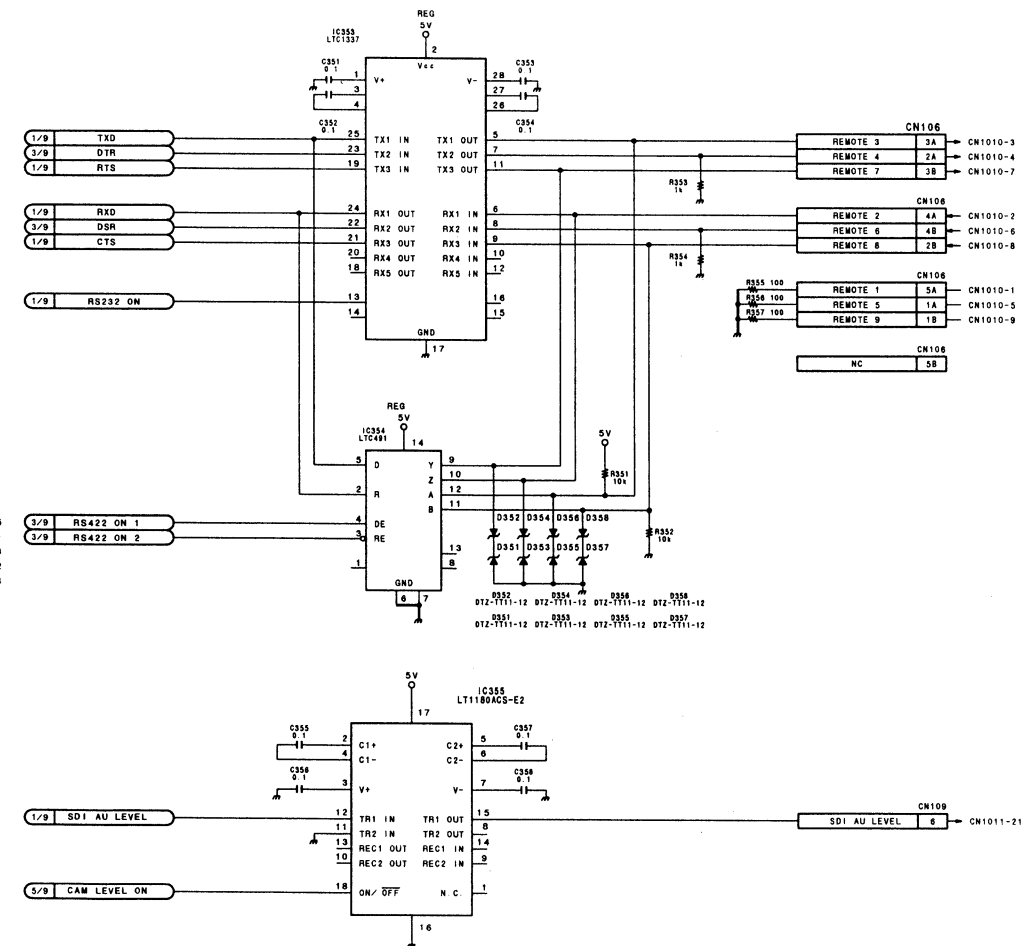
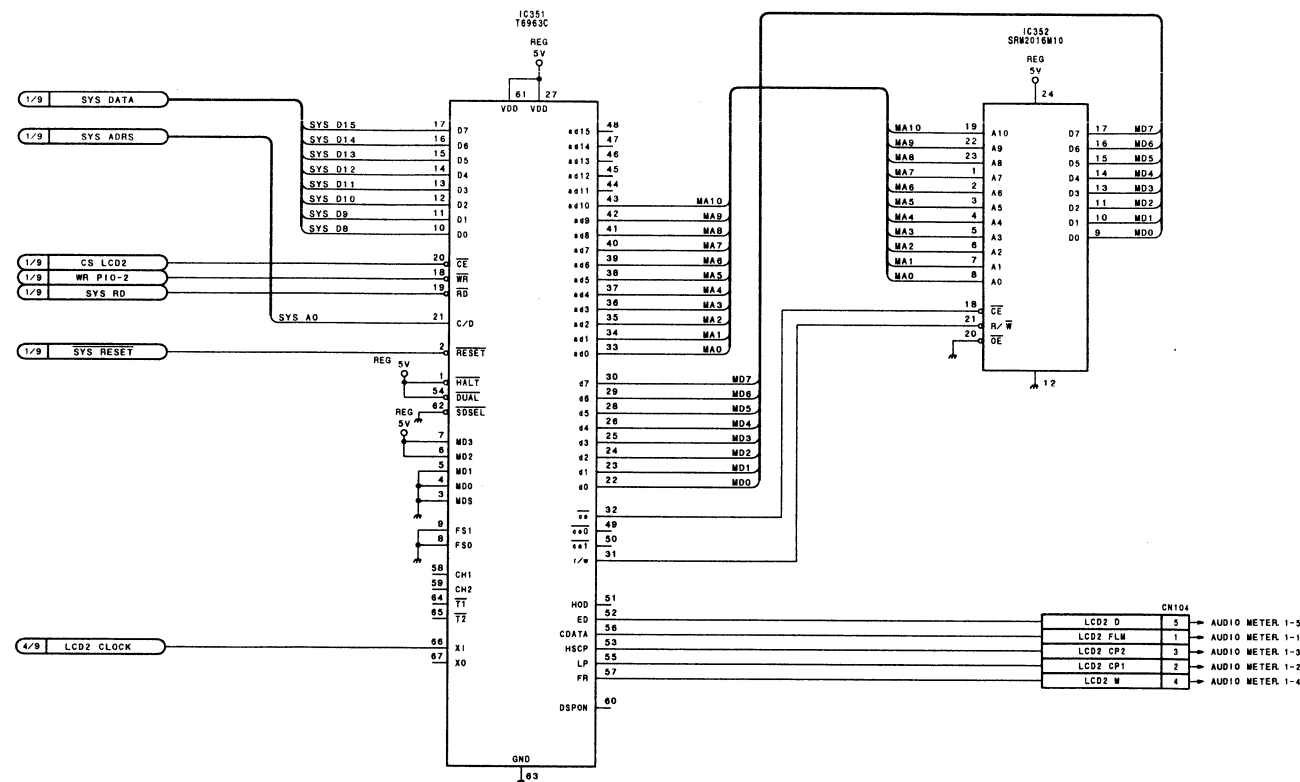




SERVO & SYSTEM CONTROL, TIMECODE  
FULL ERASE & CHANNEL ERASE OSCILLATOR  
**SST-3 (4/9)**  
BOARD NO. 1-657-804-11  
LOT NO. 409-  
B-YDVW250-SST1-11



DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)



SERVO & SYSTEM CONTROL, TIMECODE  
FULL ERASE & CHANNEL ERASE OSCILLATOR  
**SST-3 (5/9)**  
BOARD NO. 1-657-804-11  
LOT NO. 409-  
B-DVW250-SST1-11



DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

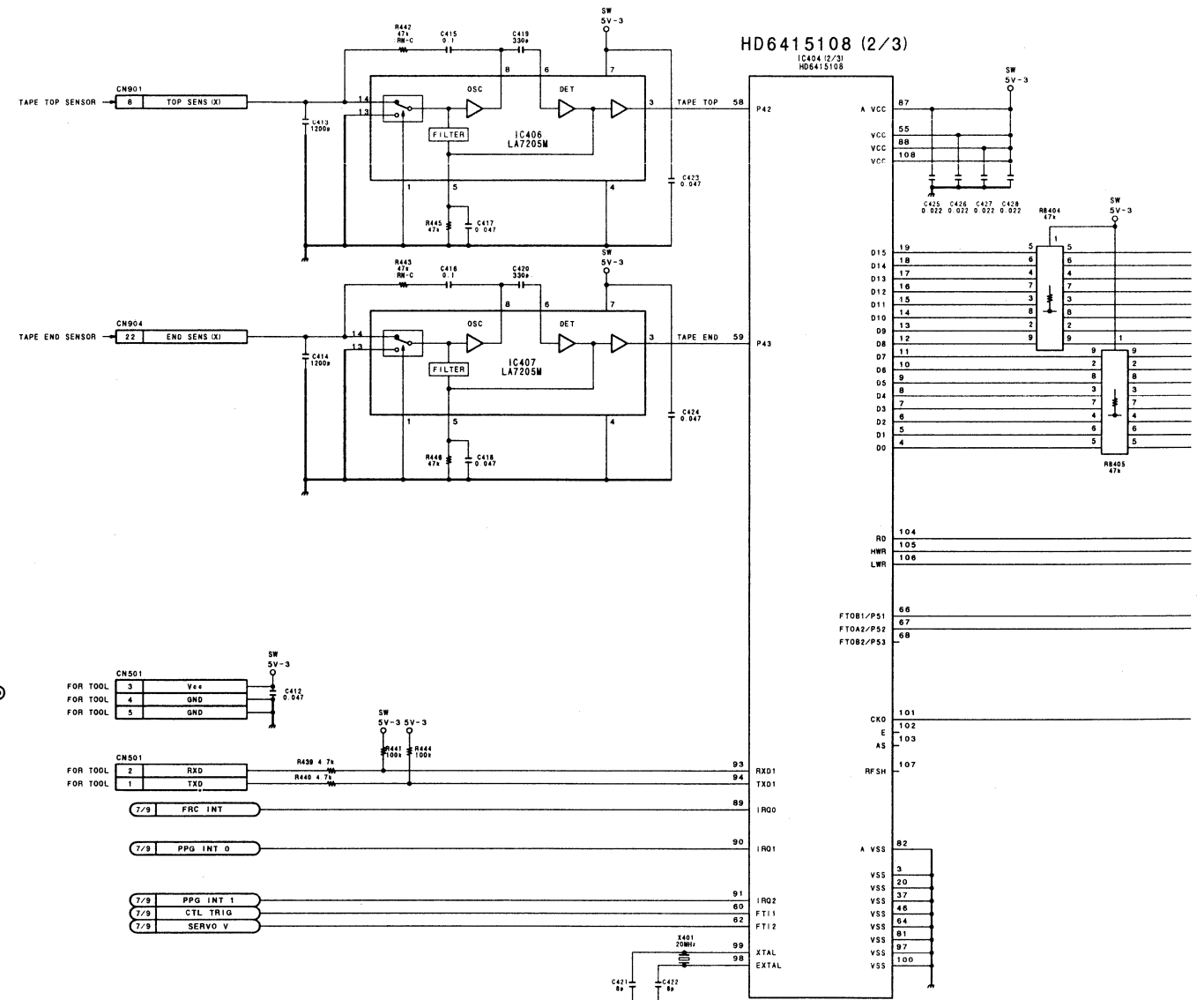
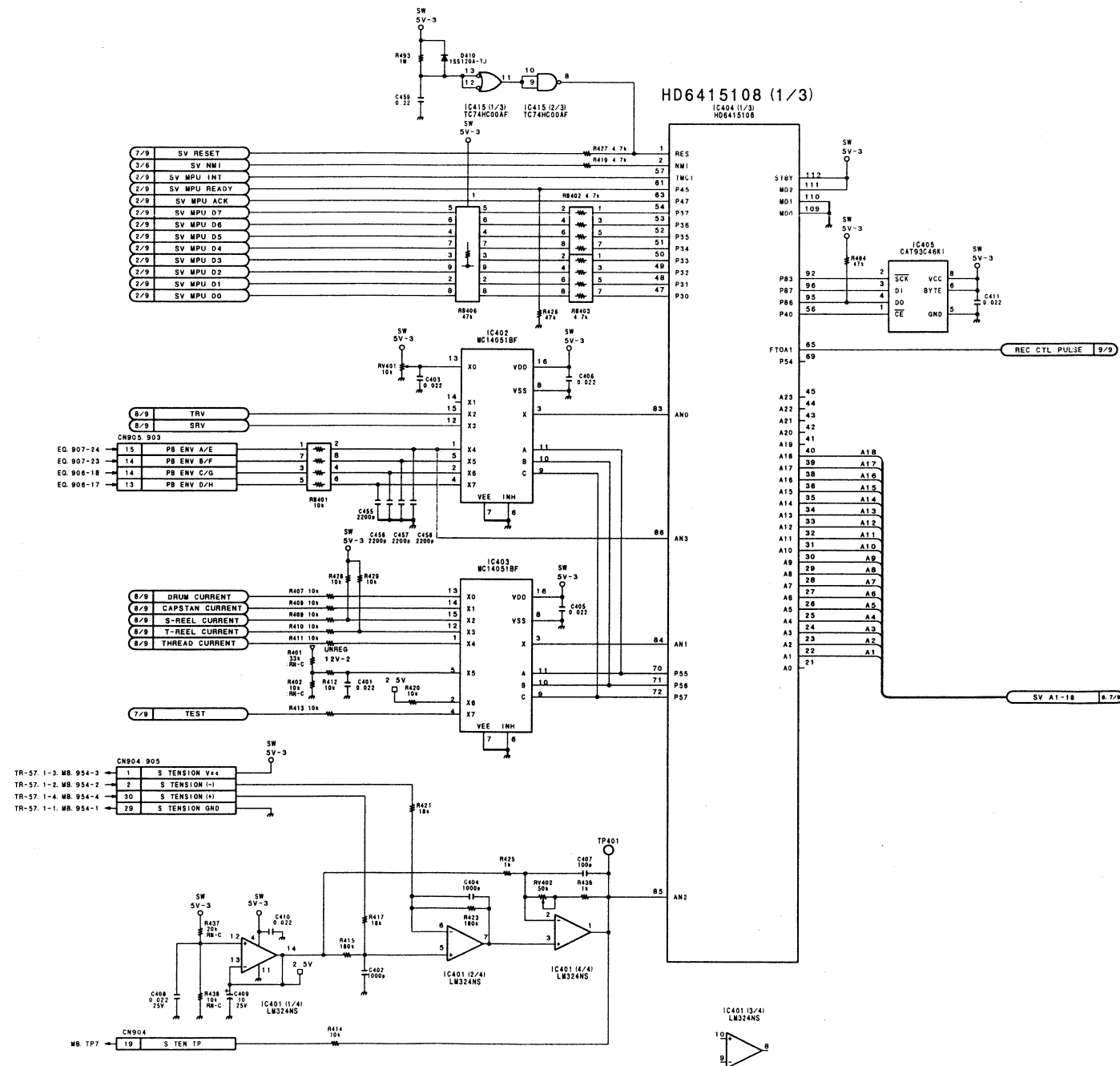
1

2

3

4

5



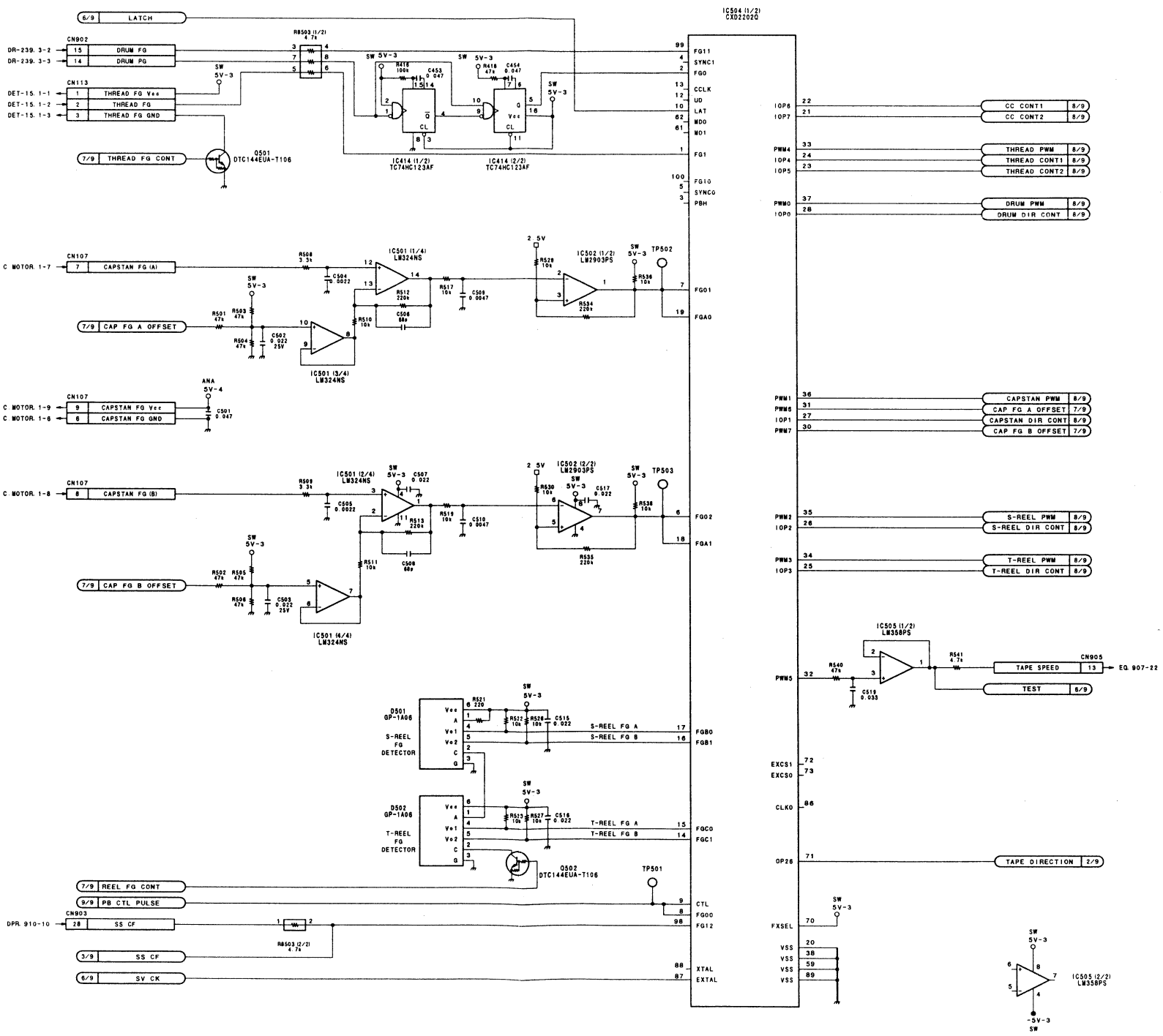


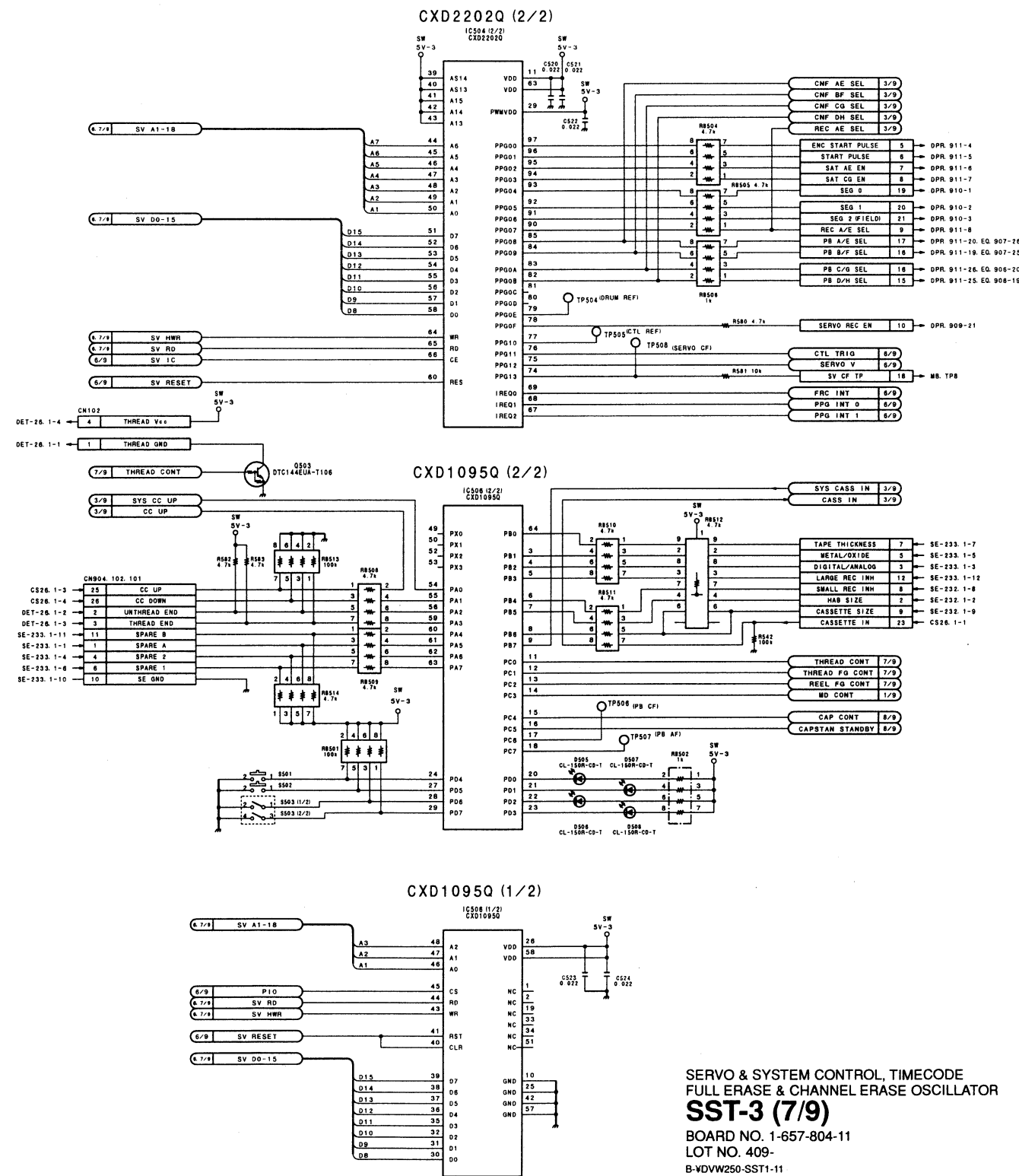
### SST-3 (6/9)

LOT NO. 409-  
B-YDVW250-SST1-11

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

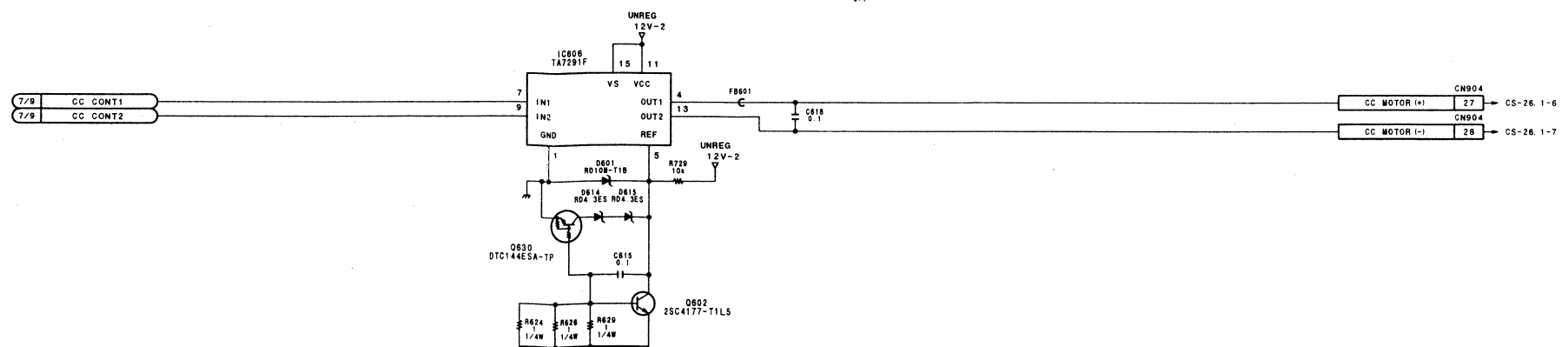
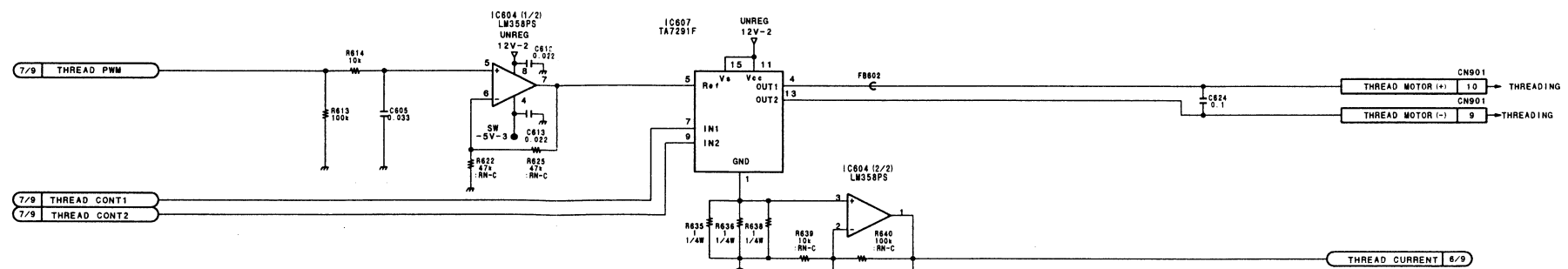
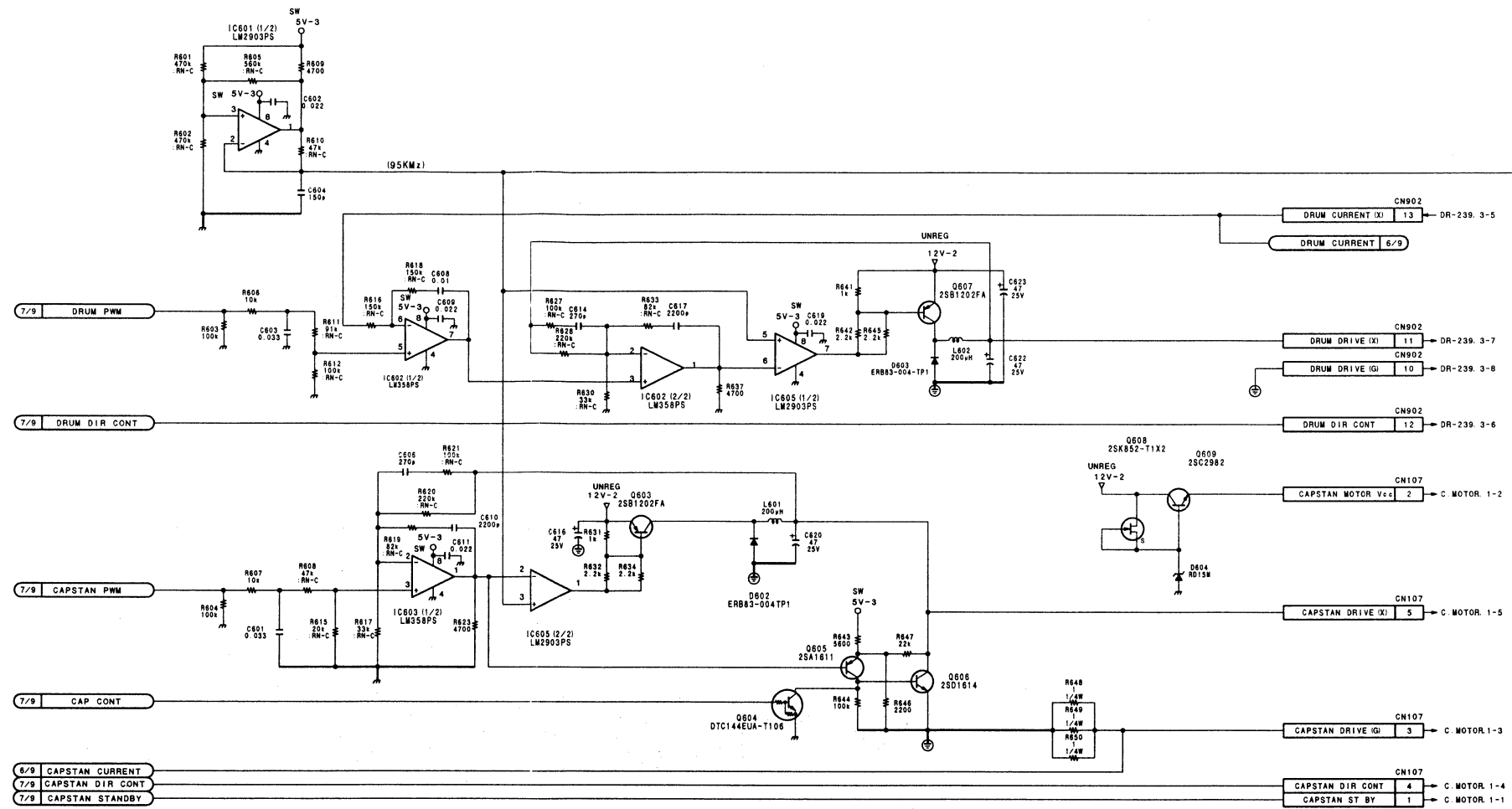
CXD2202Q (1/2)





**SST-3 (8/9)**      **SST-3 (8/9)**

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)



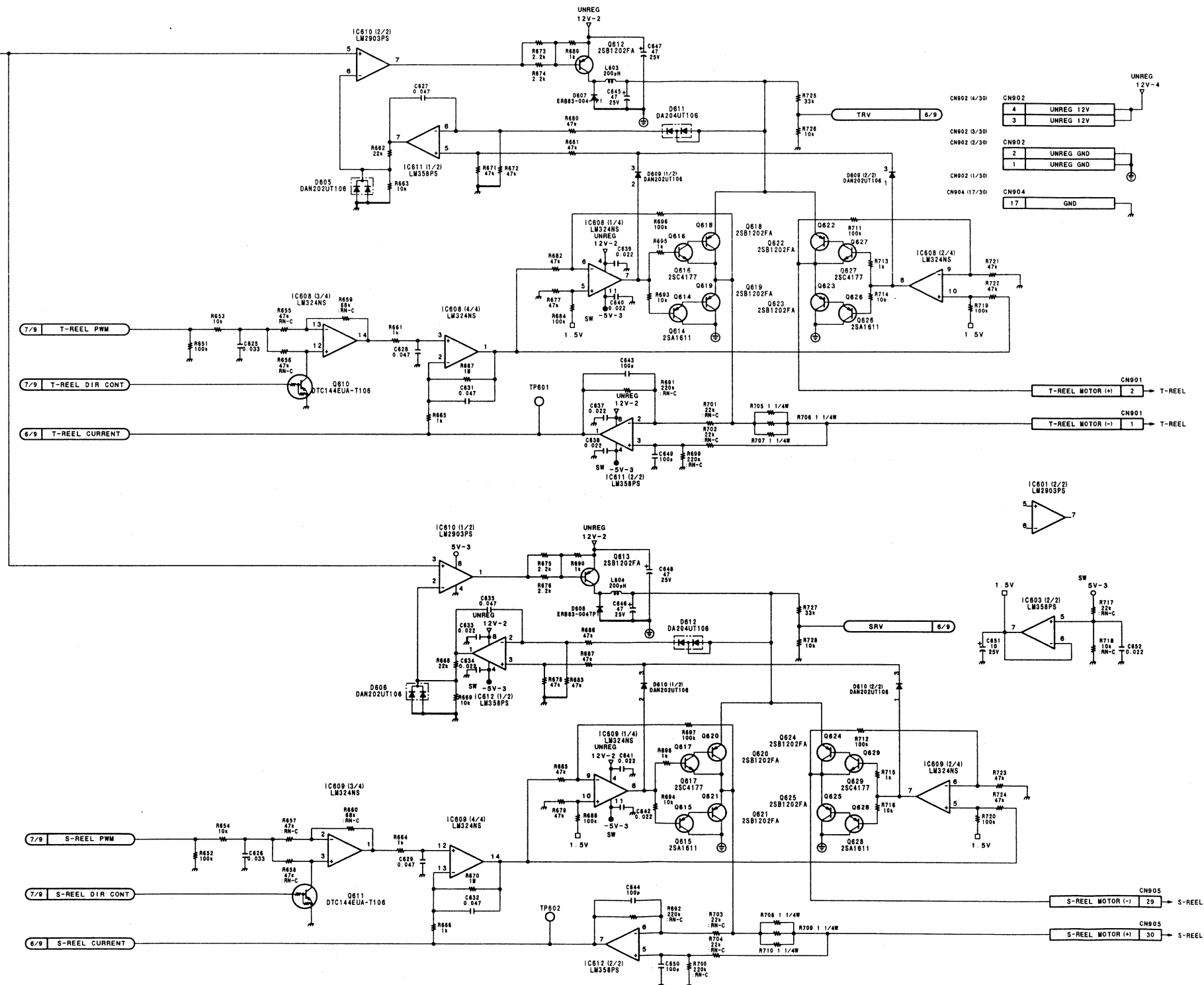
3-90

3-90

DVW-250/250 P

H

# SST-3 (8/9) SST-3 (8/9)

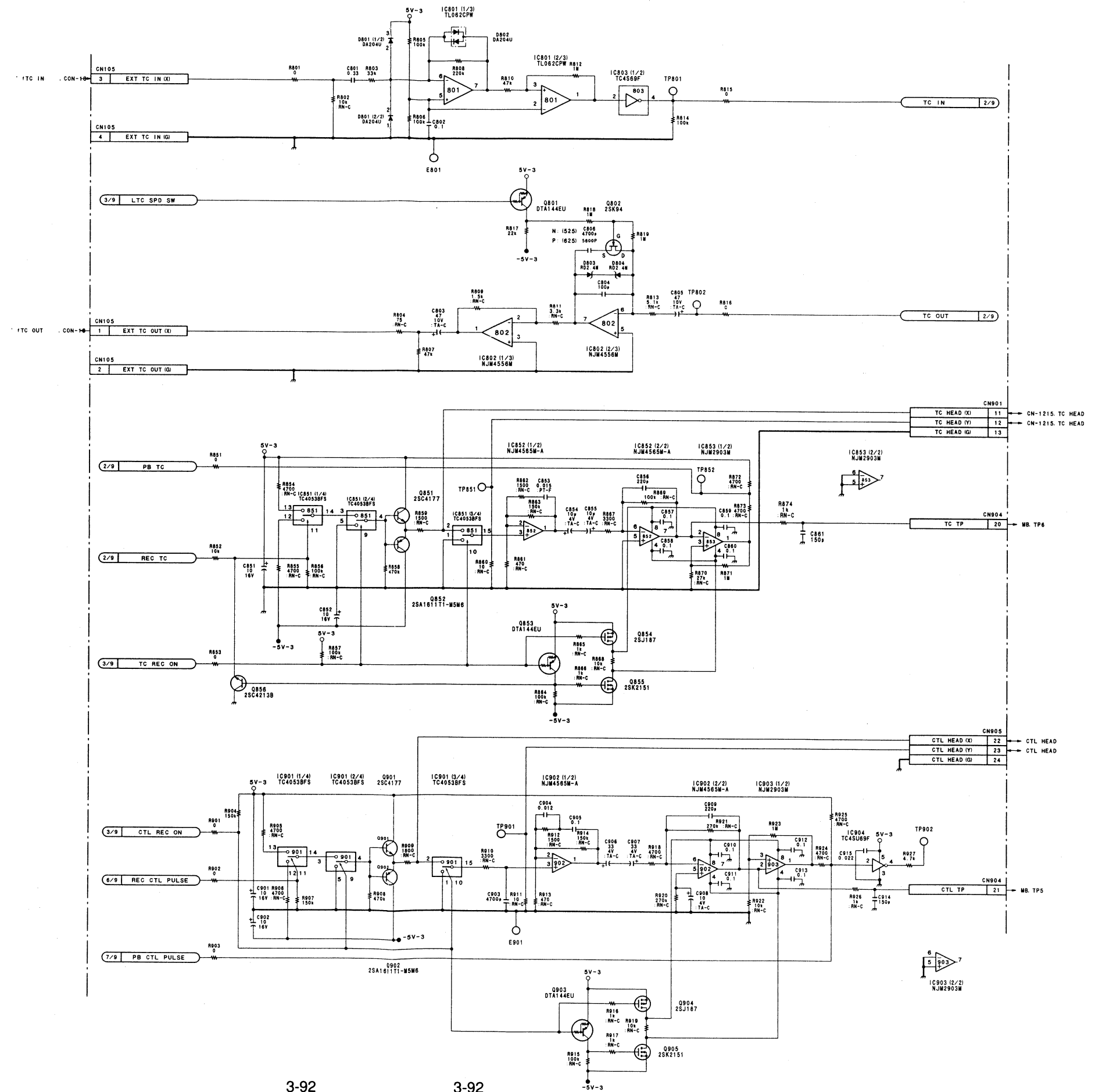


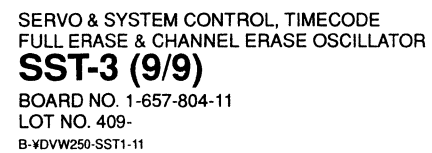
SERVO & SYSTEM CONTROL, TIMECODE  
FULL ERASE & CHANNEL ERASE OSCILLATOR  
**SST-3 (8/9)**  
BOARD NO. 1-657-804-11  
LOT NO. 409-  
B-VDV250-SST-11



SST-3 (9/9) SST-3 (9/9)

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

KY-315 (1-657-807-11)

CN461 \*A3 S27 D1  
CN462 \*A3 S28 D3  
CN463 \*D1 S29 E4

D1 \*E4 \* : Soldering Side  
D2 \*D3  
D3 \*E4  
D4 \*E4  
D5 \*C4  
D6 \*D2  
D7 \*C3  
D8 \*C3  
D9 \*D4  
D10 \*C4  
D11 \*C4  
D12 \*B4  
D13 \*B4  
D14 \*B4  
D15 \*B4  
D16 \*D4  
D17 \*D3  
D18 \*D1  
D19 \*D2  
D20 \*D4  
D21 \*D4  
D22 E4  
D23 \*E4  
D24 A1  
D25 B1  
D26 C3  
D27 C3  
D28 B1  
D29 C1  
D30 D1  
D31 C1  
D32 C1  
D33 A1  
D34 A3  
D35 B3  
D36 D1  
D37 C1  
D38 D3

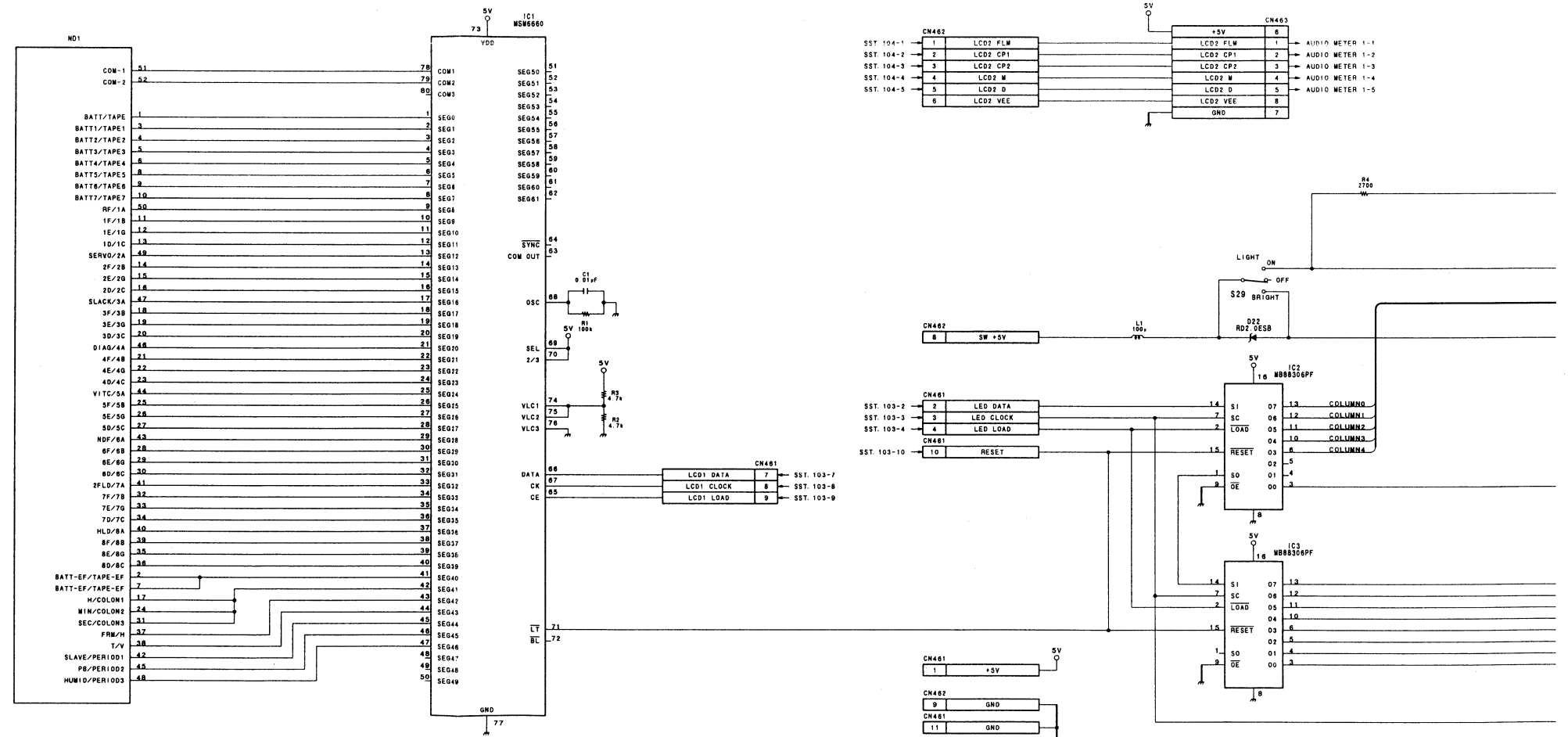
IC1 \*C1  
IC2 \*B2  
IC3 \*C2  
IC4 \*B2

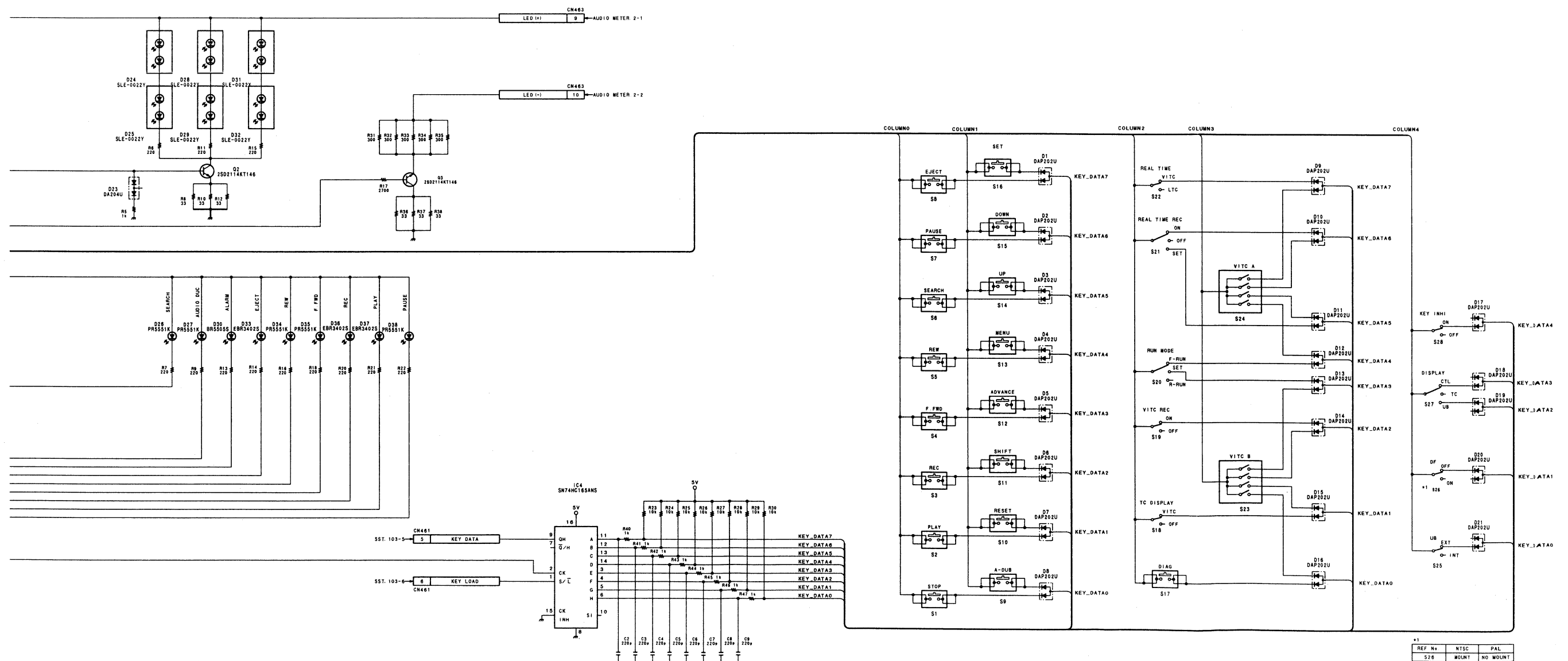
L1 A4

ND1 C1

Q2 \*E4  
Q3 \*C4

S1 B2  
S2 C2  
S3 D2  
S4 B3  
S5 A3  
S6 C3  
S7 D3  
S8 A2  
S9 C3  
S10 D1  
S11 C4  
S12 C4  
S13 E4  
S14 E4  
S15 E4  
S16 E4  
S17 D4  
S18 B4  
S19 B4  
S20 B4  
S21 C4  
S22 D4  
S23 A4  
S24 A4  
S25 D4  
S26 D4



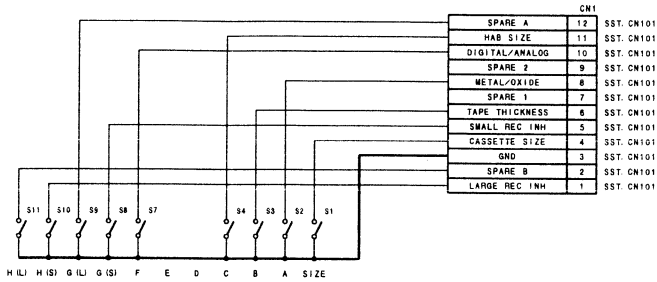


PANEL SWITCHES  
**KY-315**  
 BOARD NO. 1-657-80 7-11  
 LOT NO. 409-  
 B-YDVW250-KY315-11

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

SE-233 (1-657-800-11)

CN1	A1
S1	A1
S2	A1
S3	A1
S4	A1
S7	A1
S8	A1
S9	A1
S10	A1
S11	A1

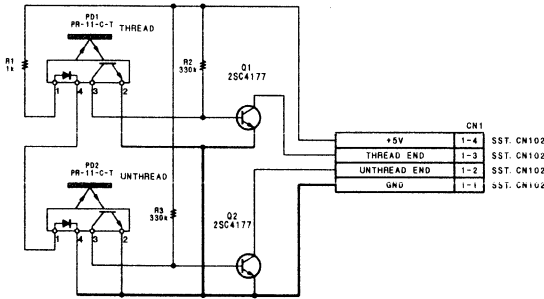


SENSOR (CASSETTE CODING)  
**SE-233**  
BOARD NO. 1-657-800-11  
LOT NO. 409-  
B-VDVW250-SE233-11

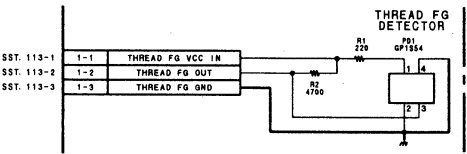
DET-26 (1-657-801-11,-12)

CN1	*A1
PD1	A1
PD2	A1
Q1	A1
Q2	A1

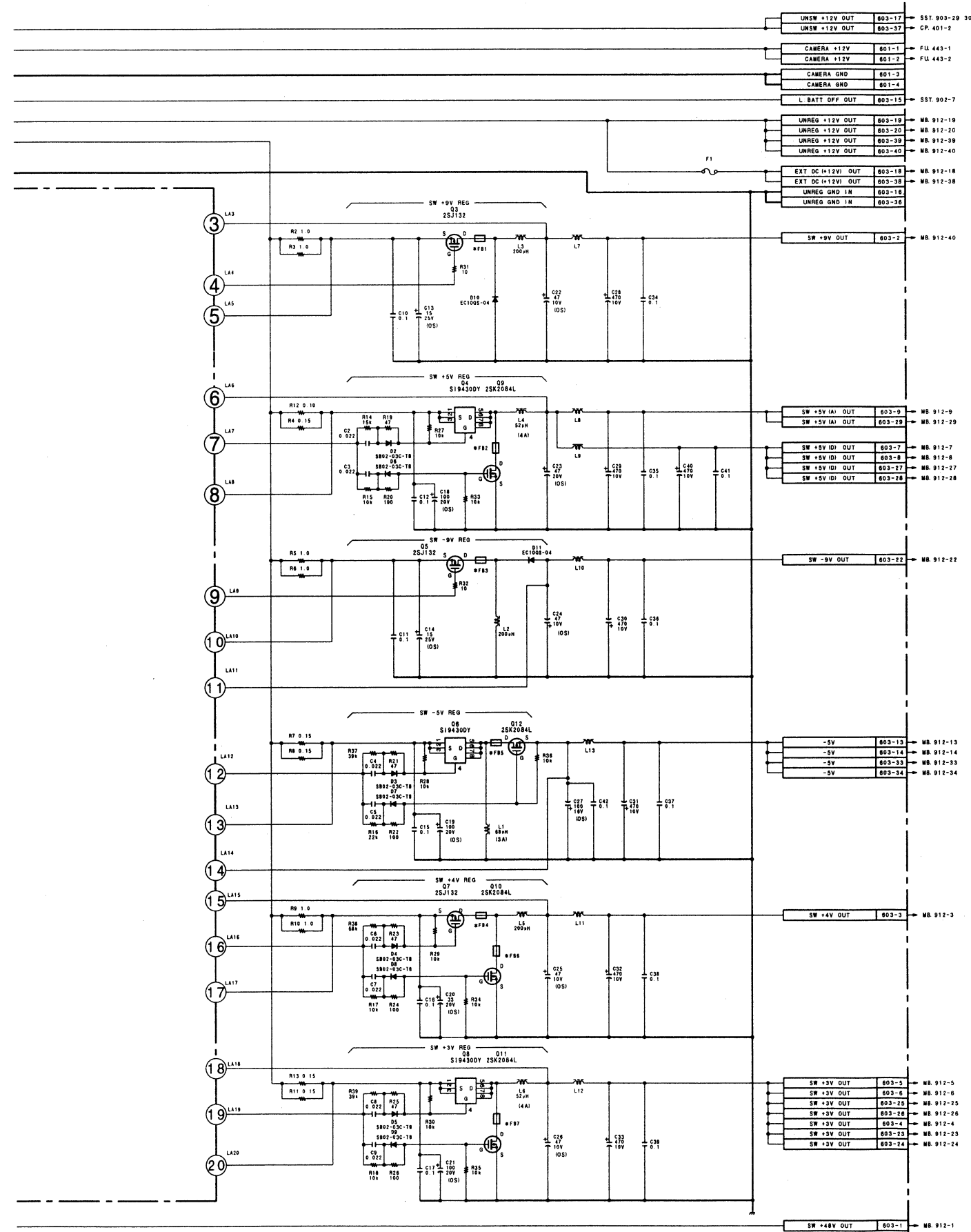
\* : Soldering Side



SENSOR (THREAD/UNTHREAD)  
**DET-26**  
BOARD NO. 1-657-801-11,-12  
LOT NO. 409-  
B-VDVW250-DET26-11



CASSETTE IN DETECTOR  
**DET-15**  
BOARD NO. 1-638-705-11  
LOT NO. 409-  
B-VDVW250-DET15-S/M



DC-DC CONVERTER  
**PSW-31A**  
 BOARD NO. 1-657-796-11  
 LOT NO. 409-  
 B-YDVW250-PSW31A-11

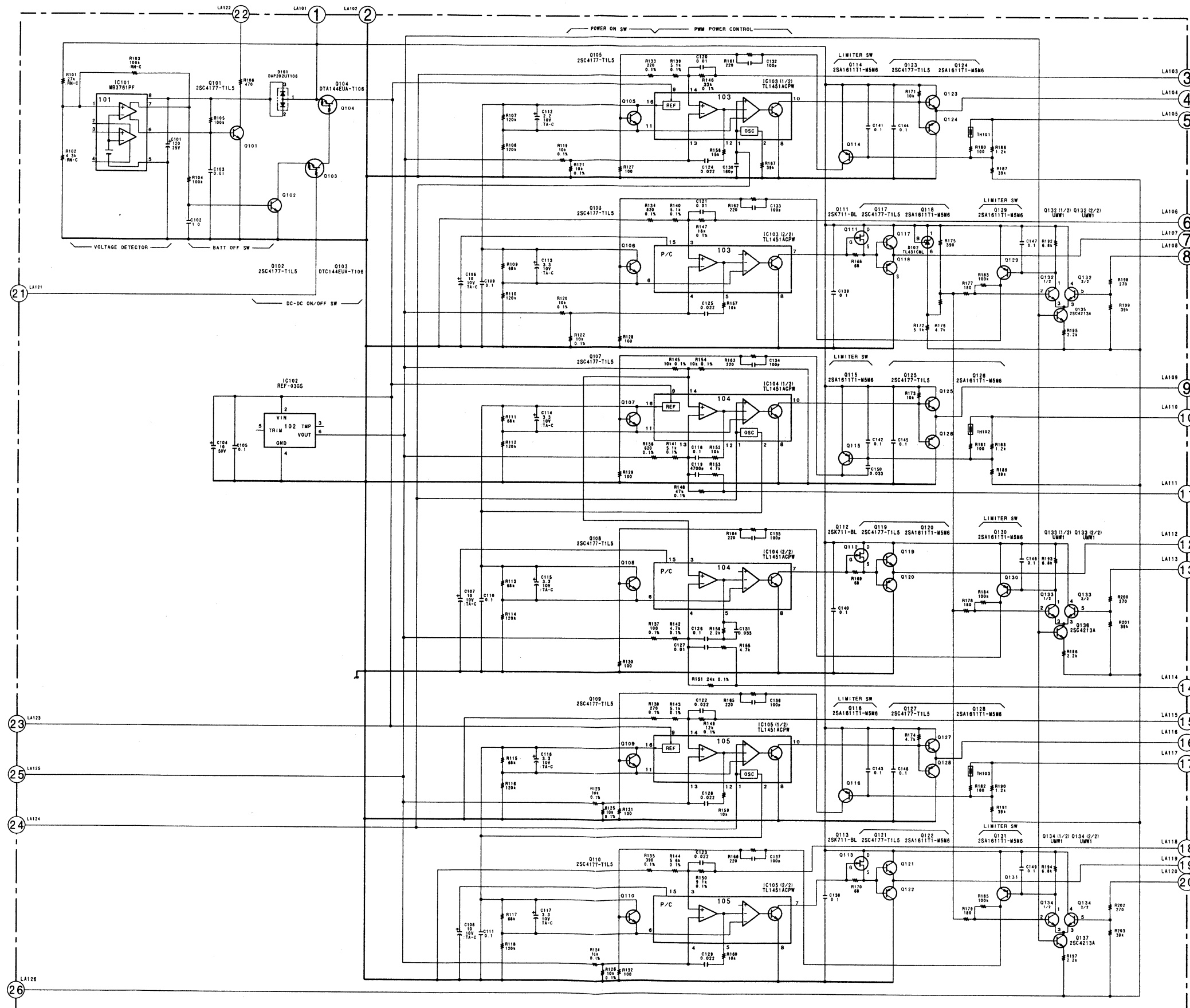
# PSW-31B PSW-31B

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

PSW-31B (1-657-797-11)

D101	D1
D102	D2
IC101	D2
IC102	D1
IC103	B1
IC104	C1
IC105	A1
Q101	D1
Q102	D1
Q103	D1
Q104	D1
Q105	B1
Q106	B2
Q107	B1
Q108	C2
Q109	A1
Q110	A2
Q111	B2
Q112	C2
Q113	A2
Q114	A2
Q115	B2
Q116	A2
Q117	B2
Q118	B2
Q119	C2
Q120	C2
Q121	A2
Q122	A2
Q123	B2
Q124	B2
Q125	B2
Q126	B2
Q127	A2
Q128	A2
Q129	B2
Q130	C2
Q131	A2
Q132	B2
Q133	C2
Q134	A2
Q135	B2
Q136	C2
Q137	A2
TH101	A2
TH102	B2
TH103	A2

\* : Soldering Side



DC-DC CONVERTER  
**PSW-31B**  
BOARD NO. 1-657-797-11  
LOT NO. 409-  
B-DVW250-PSW31B-11

DVW-250/250P

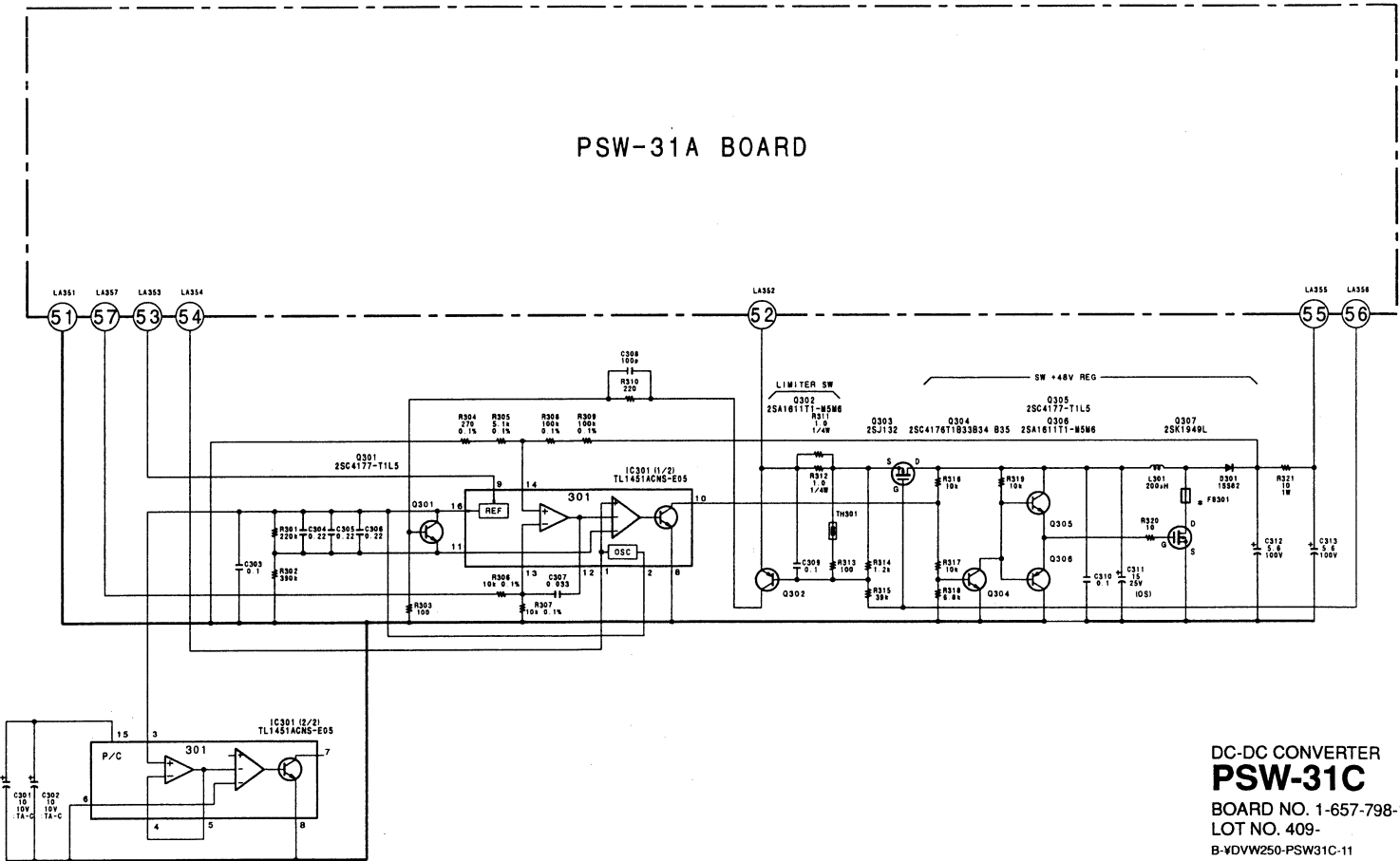
PSW-31C PSW-31C

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

PSW-31C (1-657-798-11)

- D301 C1
- IC301 \*A2
- L301 B1
- Q301 \*A2
- Q302 \*B2
- Q303 \*B2
- Q304 \*B1
- Q305 \*B1
- Q306 \*B1
- Q307 C1
- TH301 \*B2

\* : Soldering Side





# FU-63, DC-85      FU-63, DC-85

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

FU-63 (1-657-813-11)

CN441 A3  
CN442 A3  
CN443 A1  
CN444 A1  
CN445 A1  
CN446 A1

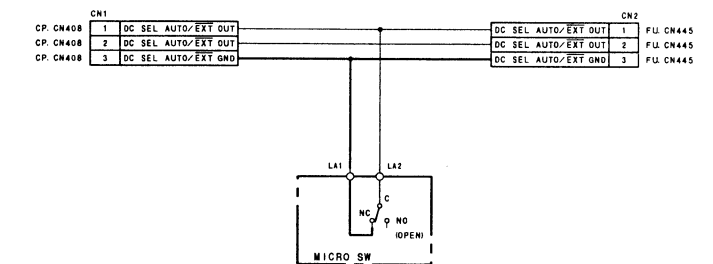
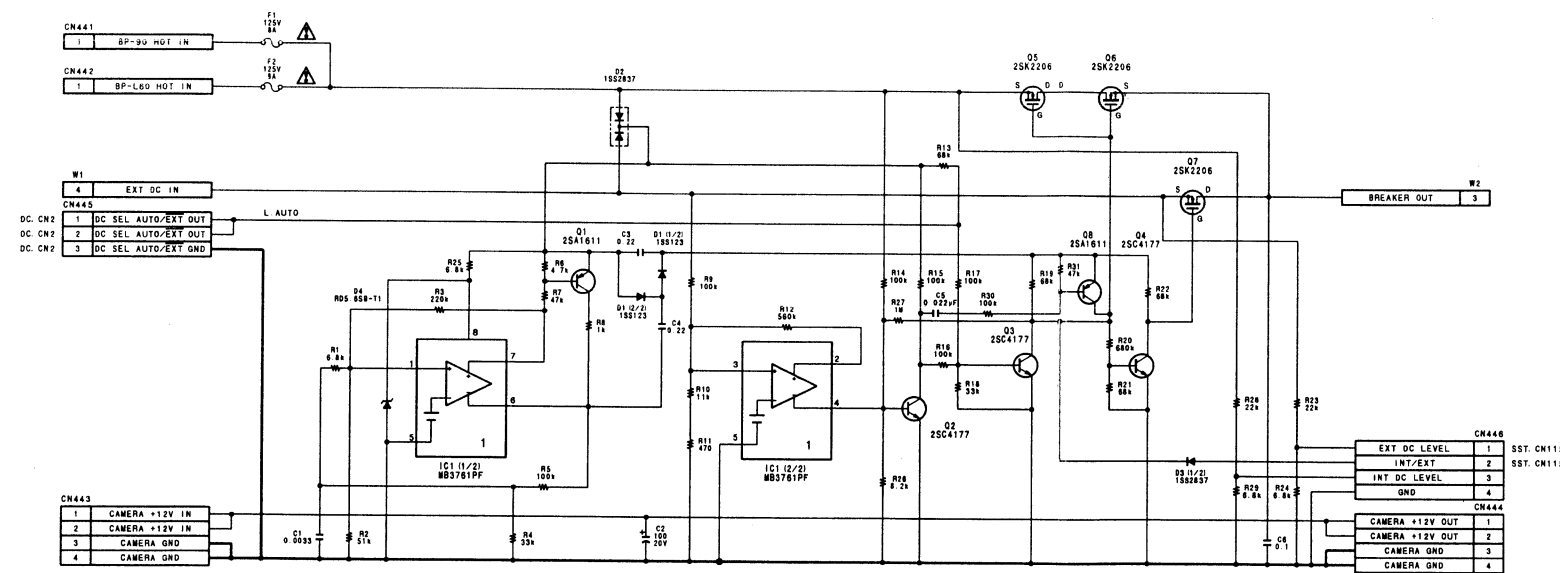
D1 \*A1  
D2 A2  
D3 \*A1  
D4 \*A2

F1 \*A3  
F2 \*A3

IC1 A2

Q1 \*A2  
Q2 A2  
Q3 \*A2  
Q4 \*A1  
Q5 A3  
Q6 A3  
Q7 A2  
Q8 \*A1

\* : Soldering Side



FUSE  
**FU-63**  
BOARD NO. 1-657-813-11  
LOT NO. 409-  
B-VDVW250-FU63-11

DC INPUT SELECT SWITCH  
**DC-85**  
BOARD NO. 1-658-773-11  
LOT NO. 409-  
B-VDVW250-DC85-11



H

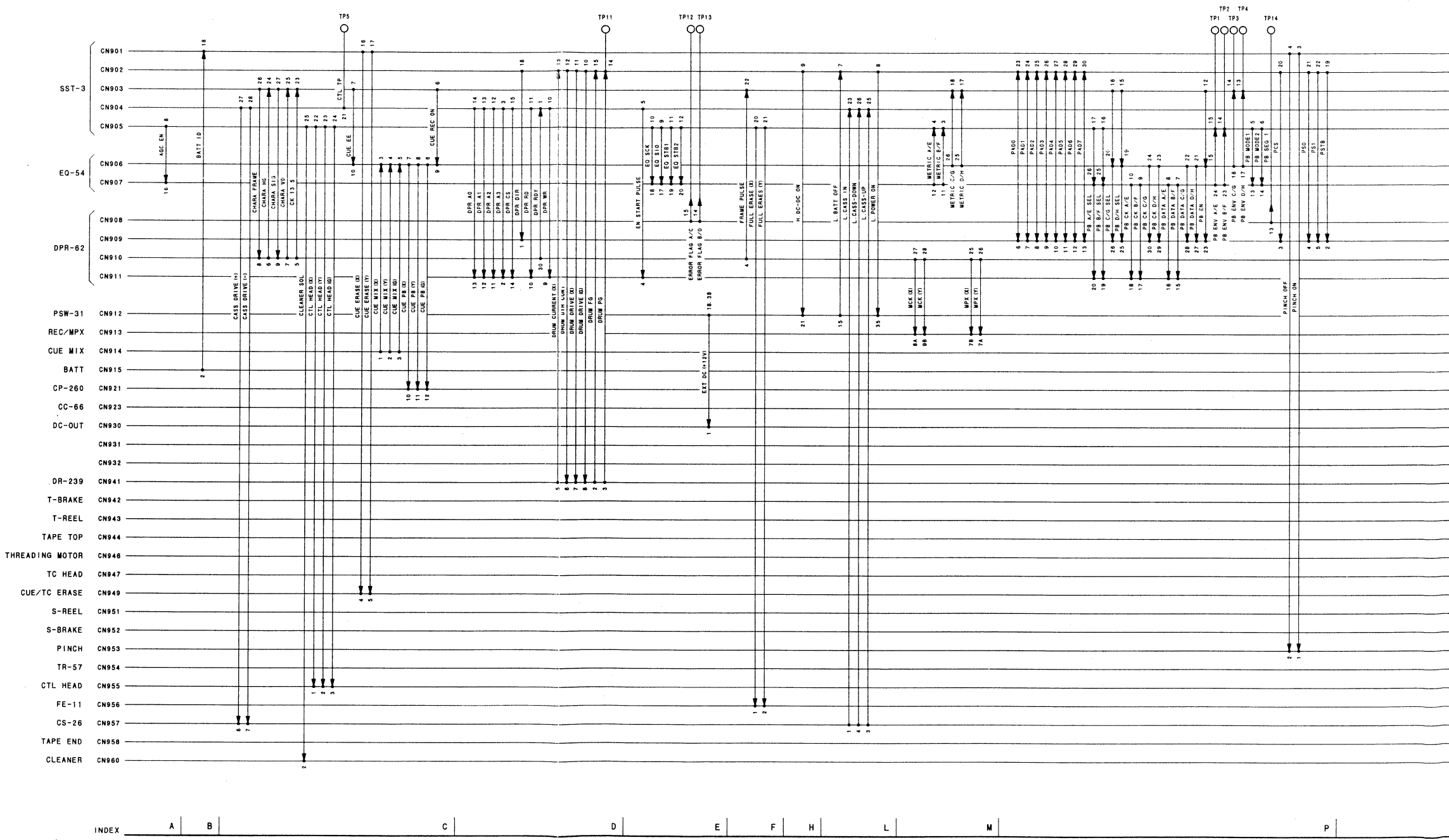
(BATT)		CNO15
BATT ID		915-2
N C		915-1

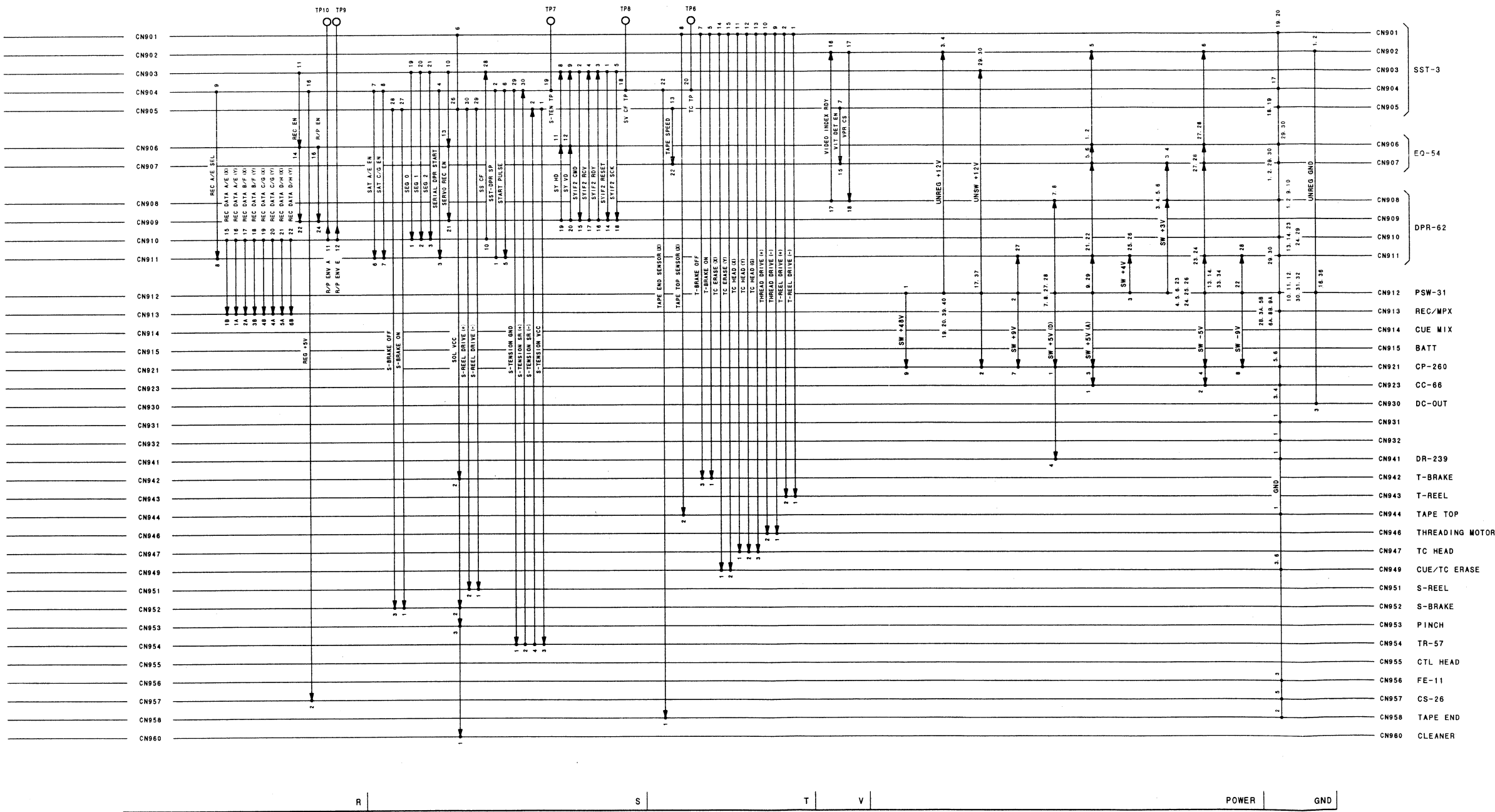
CHINA	
5-SENSEION SH H	90A+18
5-SENSEION AND	90A+19
5-SENSEION C-1	90A+20
CASS DRIVE (C)	90A+21
CASS DRIVE (A)	90A+22
5-SENSEION SH	90A+23
11 CASS-UP	90A+24
N.C.	90A+25
L.CAS IN	90A+26
TAPE END SENSOR D	90A+27
C.T.C. TP	90A+28
5-SEN TP	90A+29
5-SEN TP	90A+30
5-SEN TP	90A+31
5-SEN TP	90A+32
5-SEN TP	90A+33
5-SEN TP	90A+34
5-SEN TP	90A+35
5-SEN TP	90A+36
5-SEN TP	90A+37
5-SEN TP	90A+38
5-SEN TP	90A+39
5-SEN TP	90A+40
5-SEN TP	90A+41
5-SEN TP	90A+42
5-SEN TP	90A+43
5-SEN TP	90A+44
5-SEN TP	90A+45
5-SEN TP	90A+46
5-SEN TP	90A+47
5-SEN TP	90A+48
5-SEN TP	90A+49
5-SEN TP	90A+50
5-SEN TP	90A+51
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5-SEN TP	90A+53
5-SEN TP	90A+54
5-SEN TP	90A+55
5-SEN TP	90A+56
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5-SEN TP	90A+63
5-SEN TP	90A+64
5-SEN TP	90A+65
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5-SEN TP	90A+68
5-SEN TP	90A+69
5-SEN TP	90A+70
5-SEN TP	90A+71
5-SEN TP	90A+72
5-SEN TP	90A+73
5-SEN TP	90A+74
5-SEN TP	90A+75
5-SEN TP	90A+76
5-SEN TP	90A+77
5-SEN TP	90A+78
5-SEN TP	90A+79
5-SEN TP	90A+80
5-SEN TP	90A+81
5-SEN TP	90A+82
5-SEN TP	90A+83
5-SEN TP	90A+84
5-SEN TP	90A+85
5-SEN TP	90A+86
5-SEN TP	90A+87
5-SEN TP	90A+88
5-SEN TP	90A+89
5-SEN TP	90A+90
5-SEN TP	90A+91
5-SEN TP	90A+92
5-SEN TP	90A+93
5-SEN TP	90A+94
5-SEN TP	90A+95
5-SEN TP	90A+96
5-SEN TP	90A+97
5-SEN TP	90A+98
5-SEN TP	90A+99
5-SEN TP	90A+100

[illegible]



DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)





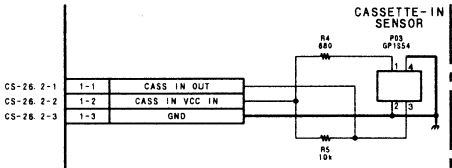
MOTHER BOARD  
**MB-601**  
BOARD NO. 1-657-803-11  
LOT NO. 409-  
B-VDVW250-MB601 KESSEN-11



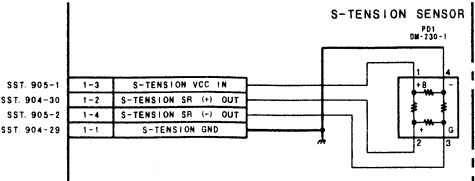
DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

TR-57 (1-638-710-11)

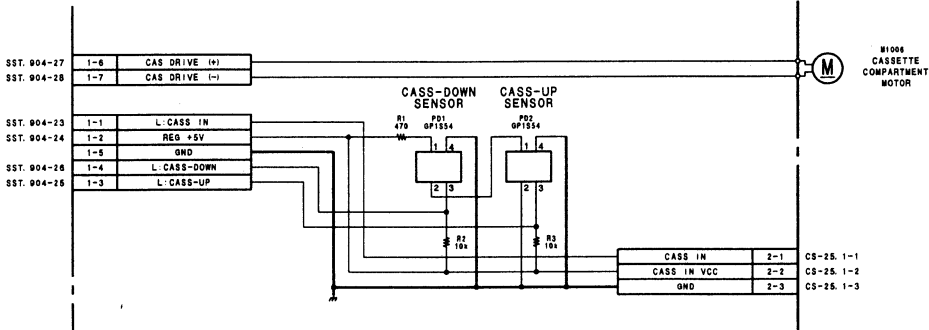
PD1 \*A1  
\*: Soldering Side



CASSETTE UP/DOWN DETECTOR  
**CS-25**  
BOARD NO. 1-638-701-12  
LOT NO. 409-  
B-VDVW250-CS25-S/M



S-TENSION DETECTOR  
**TR-57**  
BOARD NO. 1-638-710-11  
LOT NO. 409-  
B-VDVW250-TR57-S/M



CASSETTE UP/DOWN DETECTOR  
**CS-26**  
BOARD NO. 1-638-702-11  
LOT NO. 409-  
B-VDVW250-CS26-S/M



PSW-31A PSW-31A

DVW-250 (J)  
DVW-250 (UC)  
DVW-250P (SY)

PSW-31A (1-657-796-11)

CN601 A2  
CN602 A2  
CN603 F1

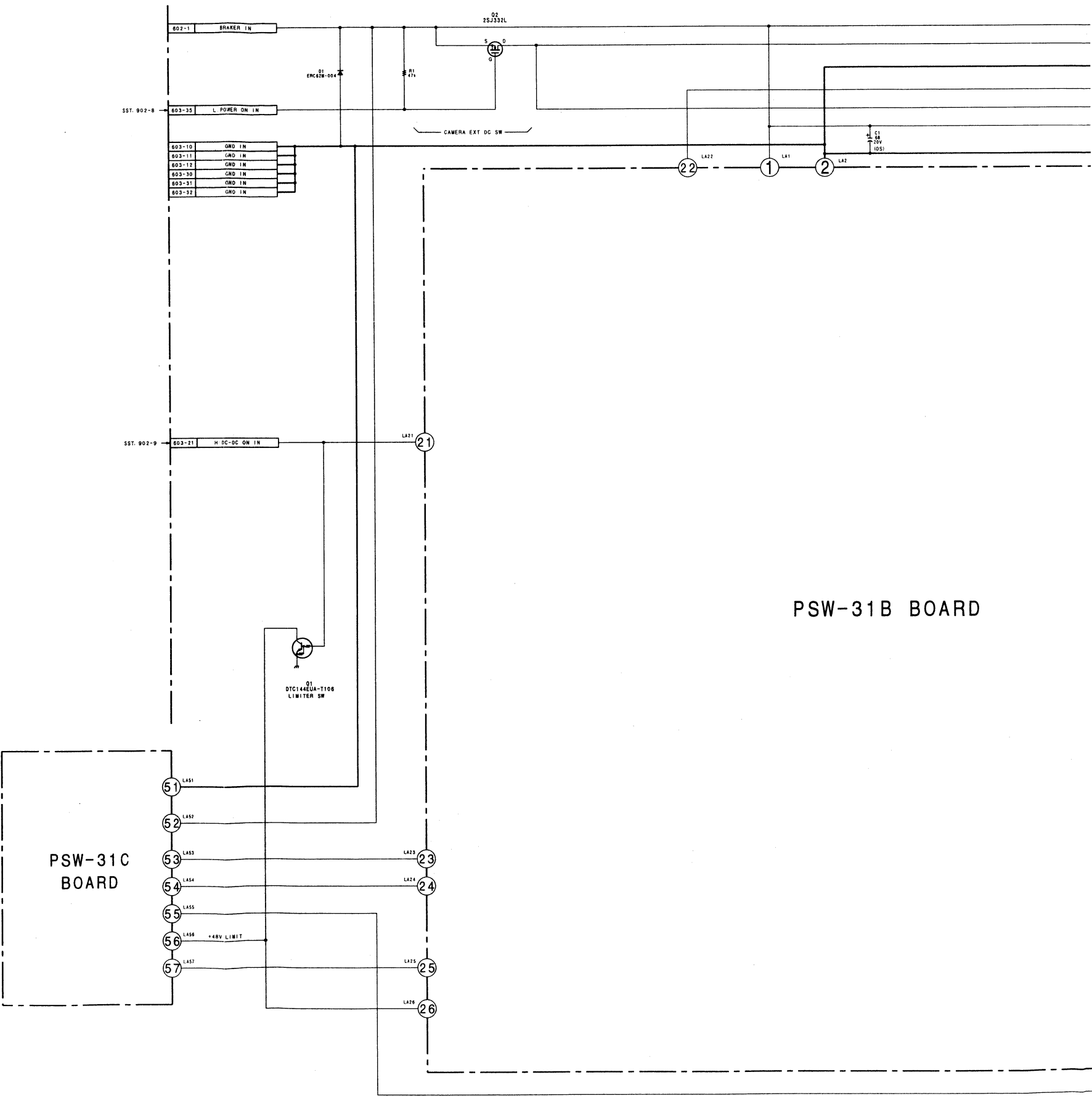
D1 A1  
D2 \*D2  
D3 \*A1  
D4 \*G2  
D5 \*F2  
D6 \*D2  
D7 \*B2  
D8 \*F3  
D9 \*F2  
D10 \*D2  
D11 \*C2

F1 D1

L1 A2  
L2 C3  
L3 E3  
L4 D2  
L5 F3  
L6 F2  
L7 E2  
L8 C1  
L9 E1  
L10 C2  
L11 G2  
L12 F2  
L13 B1

Q1 \*B2  
Q2 B1  
Q3 E2  
Q4 \*D3  
Q5 C2  
Q6 \*B2  
Q7 F2  
Q8 \*F3  
Q9 D2  
Q10 F2  
Q11 F2  
Q12 B2

\* : Soldering Side



PSW-31B BOARD

PSW-31C  
BOARD

3-98

3-98

DVW-250/250P

A

B

C

D

E

F

G

H

## Section 4

### Semiconductor Pin Assignments

ここに記載されている半導体は、それぞれの機能を等価的に表したものです。なお、互換性のない型名を併記していることがありますので、部品を交換するときは、Spare Partsの章を参照してください。

等価回路はICメーカーのデータブックに従いました。

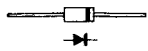
Semiconductors of which functions are equivalent are described here.

For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

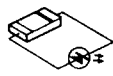
<b>Diode</b> ..... <b>PAGE</b>	2SD1328 ..... 4-2	CXD2202Q ..... 4-13	NJM2904M ..... 4-48	TC74VHC00F ..... 4-52
1SS119 ..... 4-2	2SD1621 ..... 4-2	CXD2302Q ..... 4-11	NJM3403AM ..... 4-48	TC74VHC00FS ..... 4-52
1SS184 ..... 4-2	2SD1623 ..... 4-2	CXD2306Q ..... 4-12	NJM360M ..... 4-48	TC74VHC04FS ..... 4-5
1SS193 ..... 4-2	2SD1935 ..... 4-2	CXD2310R ..... 4-12	NJM386BM ..... 4-48	TC74VHC08FS ..... 4-5
1SS226 ..... 4-2	2SD2114K ..... 4-2	CXD303-101Q ..... 4-15	NJM431U ..... 4-48	TC74VHC123AF ..... 4-57
1SS303 ..... 4-2	2SD596 ..... 4-2	CXD304-106Q ..... 4-16	NJM4556M ..... 4-48	TC74VHC123AFS ..... 4-57
1SS83 ..... 4-2	2SJ132 ..... 4-3	CXD306-138Q ..... 4-17	NJM4565M-A ..... 4-49	TC74VHC132FS ..... 4-58
1SS97 ..... 4-2	2SJ176 ..... 4-3	CXD8280AQ ..... 4-18	NJM4580E ..... 4-49	TC74VHC138FS ..... 4-58
BR5505S;RED ..... 4-2	2SJ187 ..... 4-3	CXD8281Q ..... 4-19	NJM5534M ..... 4-49	TC74VHC157FS ..... 4-58
CL-150R-CD;RED ..... 4-2	2SJ332L ..... 4-3	CXD8382BQ ..... 4-21	NJM78L05A ..... 4-49	TC74VHC163F ..... 4-58
DA204U ..... 4-2	2SK1483 ..... 4-3	CXD8384Q ..... 4-23	NJM78L05UA ..... 4-49	TC74VHC164F ..... 4-59
DA227 ..... 4-2	2SK1949L ..... 4-4	CXD8385Q ..... 4-25	NJM79L05UA ..... 4-49	TC74VHC165FS ..... 4-53
DAN202U ..... 4-2	2SK2084L ..... 4-4	CXD8386AQ ..... 4-20	PCM69U-J ..... 4-49	TC74VHC174F ..... 4-59
DAP202U ..... 4-2	2SK2151 ..... 4-4	CXD8804Q ..... 4-27	REF-03GS ..... 4-50	TC74VHC175FS ..... 4-53
DTZ12 ..... 4-2	2SK2205 ..... 4-4	CXD8805Q ..... 4-28	S-8052-ANY-NH ..... 4-50	TC74VHC21F ..... 4-59
EBR3402S;RED ..... 4-2	2SK711 ..... 4-4	CXD8815Q ..... 4-29	S-8052ALY ..... 4-50	TC74VHC221AF ..... 4-57
EC10QS-04 ..... 4-2	2SK738 ..... 4-4	CXD8817Q ..... 4-30	S-8054HN ..... 4-50	TC74VHC240F ..... 4-59
ERA85 ..... 4-2	2SK739-Z ..... 4-4	CXD8819AQ ..... 4-31	S-81250HG-RD ..... 4-51	TC74VHC244F ..... 4-51
ERB83 ..... 4-2	2SK852-X2 ..... 4-4	CXD8821Q ..... 4-33	SBX1601A ..... 4-50	TC74VHC244FS ..... 4-51
ERC62M-004 ..... 4-2	2SK94-X4 ..... 4-4	CXD8854Q ..... 4-34	SBX1602A ..... 4-50	TC74VHC245F ..... 4-54
RB420D ..... 4-2	DTA124EUA ..... 4-3	CXK1203AR ..... 4-34	SC7S04F ..... 4-52	TC74VHC245FS ..... 4-54
RB715F ..... 4-2	DTA144EUA ..... 4-3	CXK58257AM-10L ..... 4-35	SC7S32F ..... 4-52	TC74VHC27FS ..... 4-59
RB717F ..... 4-2	DTA144WU ..... 4-3	DS1000Z-100 ..... 4-38	SM5843AS1 ..... 4-52	TC74VHC32F ..... 4-5
RD ? ?M-B ..... 4-2	DTC124EUA ..... 4-3	HD14053BFP ..... 4-35	SN74HC00ANS ..... 4-52	TC74VHC32FS ..... 4-5
RD10M ..... 4-2	DTC124XKA ..... 4-3	HD6415108RF10 ..... 4-37	SN74HC04ANS ..... 4-5	TC74VHC368FS ..... 4-60
RD11M-B1 ..... 4-2	DTC143TKA ..... 4-3	HM53051FP-60 ..... 4-35	SN74HC05ANS ..... 4-53	TC74VHC374FS ..... 4-54
RD15M-B1 ..... 4-2	DTC144ESA ..... 4-4	HM6264ALFP-12 ..... 4-36	SN74HC08ANS ..... 4-5	TC74VHC541F ..... 4-6
RD2.0ESB2 ..... 4-2	DTC144EUA ..... 4-3	HM62W8127HJP-27 ..... 4-36	SN74HC10ANS ..... 4-53	TC74VHC541FS ..... 4-6
RD3.3M-B ..... 4-2	DTC144WU ..... 4-3	HM62W8127HJP-35 ..... 4-36	SN74HC151ANS ..... 4-53	TC74VHC574F ..... 4-60
RD3.6UH ..... 4-2	FMY3 ..... 4-3	HM62W9127HJP-35 ..... 4-39	SN74HC165ANS ..... 4-53	TC74VHC574FS ..... 4-60
RD3.9UH ..... 4-2	IMZ1 ..... 4-3	IDT6116SA25SO ..... 4-39	SN74HC175ANS ..... 4-53	TC74VHC74F ..... 4-6
RD4.7UH ..... 4-2	SI-9430DY ..... 4-4	LA7205M ..... 4-40	SN74HC245ANS ..... 4-54	TC74VHC74FS ..... 4-6
RD5.6SB ..... 4-2	UMW1 ..... 4-3	LM1881M ..... 4-40	SN74HC32ANS ..... 4-5	TC74VHC86F ..... 4-60
RD6.8M-B ..... 4-2		LM2903PS ..... 4-40	SN74HC374ANS ..... 4-54	TC74VHCT244FS ..... 4-51
SB007-03CP ..... 4-2	<b>Others</b> ..... <b>PAGE</b>	LM324NS ..... 4-40	SN74HC4040ANS ..... 4-54	TC74VHCT541FS ..... 4-6
SB007T03Q ..... 4-2	DM-230 ..... 4-4	LM358D ..... 4-40	SN74HC541ANS ..... 4-6	TC7S08F ..... 4-51
SLP162B;RED ..... 4-2	GP-1A06 ..... 4-4	LM358PS ..... 4-40	SN74HC74ANS ..... 4-6	TC7S86F ..... 4-51
TLR224;RED ..... 4-2	GP1S54 ..... 4-4	LT1180ACS ..... 4-40	SN74HCT04ANS ..... 4-5	TC7S86FU ..... 4-51
	PR-11 ..... 4-4	LT1227CS8 ..... 4-41	SN74HCT244ANS ..... 4-51	TC7SH32FU ..... 4-52
		LTC1337CS ..... 4-41	SN74HCT245ANS ..... 4-54	TC7W04FU ..... 4-60
<b>Transistor</b> ..... <b>PAGE</b>		LTC491CS ..... 4-41	SN74HCT32ANS ..... 4-5	TC7W08FU ..... 4-60
2SA1162G ..... 4-2	<b>IC</b> ..... <b>PAGE</b>	M27C4002-10F1 ..... 4-41	SN74HCT541ANS ..... 4-6	TC7W74FU ..... 4-61
2SA1330 ..... 4-2	74AC04SJ ..... 4-5	M62352GP ..... 4-42	SN74LS221NS ..... 4-54	TE7751 ..... 4-61
2SA1610 ..... 4-2	74AC08SJ ..... 4-5	MB3761PF ..... 4-42	SN74LVT245NS ..... 4-54	TL062CPW ..... 4-44
2SA1611 ..... 4-2	74AC11SJ ..... 4-5	MB88306PF ..... 4-42	SRM2016M10 ..... 4-39	TL1451ACNS ..... 4-62
2SA1808 ..... 4-2	74AC139SJ ..... 4-5	MB88323A-PF-K2 ..... 4-43	T6963C ..... 4-55	TL1451ACPW ..... 4-62
2SB1123 ..... 4-2	74AC32SJ ..... 4-5	MC14051BF ..... 4-42	TA7291F ..... 4-56	TL431CML ..... 4-62
2SB1202FA ..... 4-2	74AC541SJ ..... 4-6	MC14052BF ..... 4-43	TC35080P ..... 4-56	TL7705ACPS ..... 4-62
2SB1295 ..... 4-2	74AC74SJ ..... 4-6	MC14577CF ..... 4-44	TC4053BFS ..... 4-35	TLC272CPW ..... 4-62
2SB798 ..... 4-2	AK5390-VS ..... 4-6	MC1496M ..... 4-43	TC4S66F ..... 4-56	TLC274CPW ..... 4-62
2SC1623 ..... 4-2	CAT93C46KI ..... 4-7	MC34184M ..... 4-44	TC4S69F ..... 4-52	UPC1663G ..... 4-62
2SC2982C ..... 4-2	CLC505AJE ..... 4-7	MC68340FE16B ..... 4-45	TC4S81F ..... 4-51	UPC311G2 ..... 4-62
2SC3356 ..... 4-2	CX23065A ..... 4-7	MC68340FE16C ..... 4-45	TC4SU69F ..... 4-52	UPC319G2 ..... 4-63
2SC3360 ..... 4-2	CXA1450M ..... 4-7	MC74HC112F ..... 4-44	TC4W53F ..... 4-51	UPD42101G-3 ..... 4-63
2SC3735 ..... 4-2	CXA1451M ..... 4-7	MC74HC541N ..... 4-5	TC4W53FU ..... 4-51	UPD434008LE-20 ..... 4-63
2SC4176 ..... 4-2	CXA1805Q ..... 4-8	MSM66524GS-VK ..... 4-47	TC4W66FU ..... 4-56	UPD485505G-35 ..... 4-63
2SC4177 ..... 4-2	CXA3034Q ..... 4-9	MSM6660-01GS-V1K ..... 4-44	TC74HC123AF ..... 4-57	UPD75004GB-3B4 ..... 4-64
2SC4177-L6 ..... 4-2	CXD1095Q ..... 4-10	NJM062M ..... 4-44	TC74HCT221AF ..... 4-57	UPD78P014GC-A88 ..... 4-65
2SC4213A ..... 4-2	CXD1171M ..... 4-8	NJM072BM ..... 4-48	TC74HC688AF ..... 4-57	
2SC4213B ..... 4-2	CXD1175AM ..... 4-11	NJM2406F ..... 4-48	TC74HCT04AF ..... 4-5	
		NJM2903M ..... 4-40	TC74HCT540AF ..... 4-57	

DIODE

TRANSISTOR



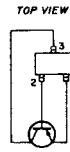
1SS119  
1SS83  
1SS97  
ERA85  
ERB83



CL-150R-CD;RED

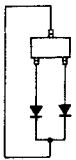


ERC62M-004

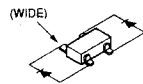


2SA1162G  
2SA1330  
2SA1610  
2SA1611  
2SA1808  
2SB1295

TOP VIEW



1SS184  
DAN202U  
RB715F



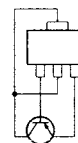
DA227

TOP VIEW



RD ? M-B  
RD10M  
RD11M-B1  
RD15M-B1  
RD3.3M-B  
RD3.6UH  
RD3.9UH  
RD4.7UH  
RD6.8M-B

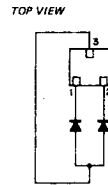
TOP VIEW



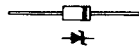
2SB1123  
2SB798



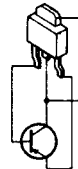
1SS193  
RB420D  
SB007-03CP



DAP202U

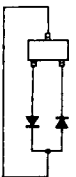


RD2.0ESB2

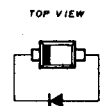


2SB1202FA

TOP VIEW



1SS226  
DA204U  
SB007T03Q

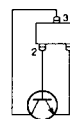


DTZ12

TOP VIEW

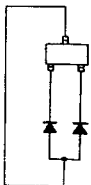


RD5.6SB

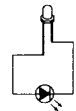


2SC1623  
2SC3356  
2SC3360  
2SC3735  
2SC4176  
2SC4177  
2SC4177-L6  
2SC4213A  
2SC4213B  
2SD1328  
2SD1935  
2SD2114K  
2SD596

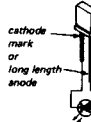
TOP VIEW



1SS303  
RB717F

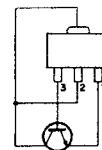


EBR3402S;RED



SLP162B;RED

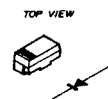
TOP VIEW



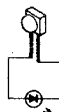
2SC2982C  
2SD1621  
2SD1623



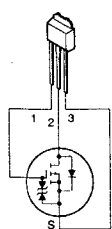
BR5505S;RED



EC10QS-04

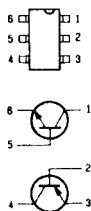


TLR224;RED

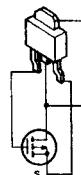


2SJ332L

-TOP VIEW-

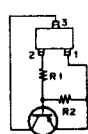


IMZ1



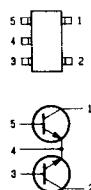
2SJ132

TOP VIEW

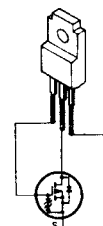


DTA124EUA(R1=22K, R2=22K)  
 DTA144EUA(R1=47K, R2=47K)  
 DTA144WU(R1=47K, R2=22K)

TOP VIEW

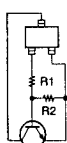


UMW1

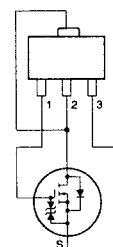


2SJ176

TOP VIEW

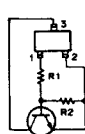


DTC124EUA(R1=22K, R2=22K)  
 DTC143TKA(R1=4.7K, R2=OPEN)  
 DTC144EUA(R1=47K, R2=47K)  
 DTC144WU(R1=47K, R2=22K)



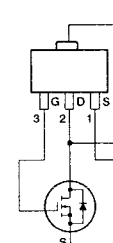
2SJ187

TOP VIEW



DTC124XKA(R1=22K, R2=47K)

-TOP VIEW-

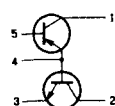


2SK1483

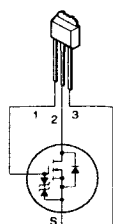
TOP VIEW



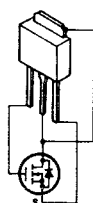
FMY3



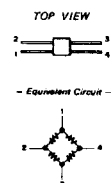
Others



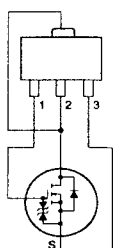
2SK1949L  
2SK2084L



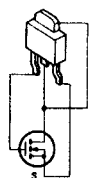
2SK738



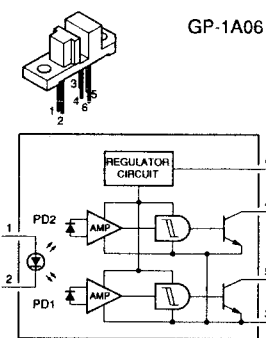
DM-230



2SK2151



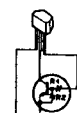
2SK739-Z



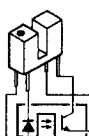
GP-1A06



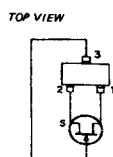
2SK2205



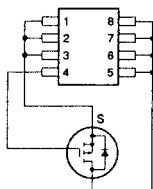
DTC144ESA (R1=47K, R2=47K)



GP1S54



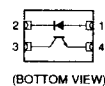
2SK711  
2SK852-X2  
2SK94-X4



SI-9430DY



PR-11

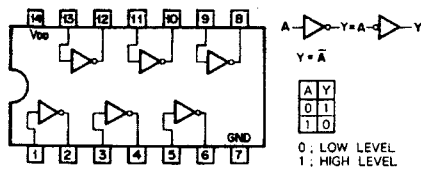


(BOTTOM VIEW)

IC

74AC04SJ (NS) FLAT PACKAGE  
 SN74HC04ANS (TI) FLAT PACKAGE  
 SN74HCT04ANS (TI) FLAT PACKAGE  
 TC74HCT04AF (TOSHIBA) FLAT PACKAGE  
 TC74VHC04FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS HEX INVERTERS  
 - TOP VIEW -

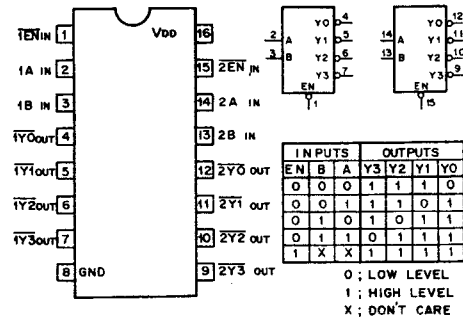


NOTE:

TYPE	V <sub>DD</sub>
74HCT04 TYPE	+5V
TC74AC04 TYPE TC74VHC04 TYPE	+2 to +5.5V
74ACT04 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

74AC139SJ (NS) FLAT PACKAGE

C-MOS DUAL 2-TO-4 DECODER/DEMULPLEXER  
 - TOP VIEW -

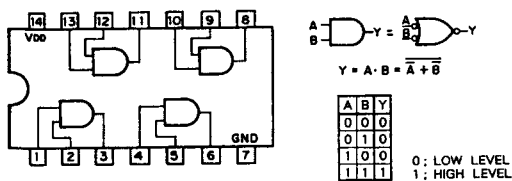


NOTE:

TYPE	V <sub>DD</sub>
HC	+2 to +6V
AC/VHC	+2 to +5.5V
HCT/ACT	+5V

74AC08SJ (NS) FLAT PACKAGE  
 SN74HC08ANS (TI) FLAT PACKAGE  
 TC74VHC08FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS QUAD 2-INPUT AND GATES  
 - TOP VIEW -

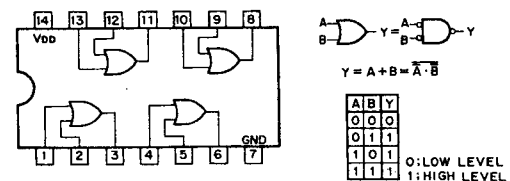


NOTE:

TYPE	V <sub>DD</sub>
TC74AC08 TYPE MC74ACT08M	+2 to +5.5V
TC40H	+2 to +8V
OTHER TYPES	+2 to +6V

74AC32SJ (NS) FLAT PACKAGE  
 SN74HC32ANS (TI) FLAT PACKAGE  
 SN74HCT32ANS (TI) FLAT PACKAGE  
 TC74VHC32F (TOSHIBA) FLAT PACKAGE  
 TC74VHC32FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS QUAD 2-INPUT OR GATES  
 - TOP VIEW -

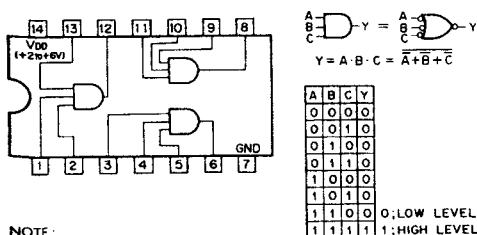


NOTE:

TYPE	V <sub>DD</sub>
AC/VHC	+2 to +5.5V
HC	+2 to +6V

74AC11SJ (NS) FLAT PACKAGE

C-MOS 3-INPUT POSITIVE-AND GATE  
 - TOP VIEW -

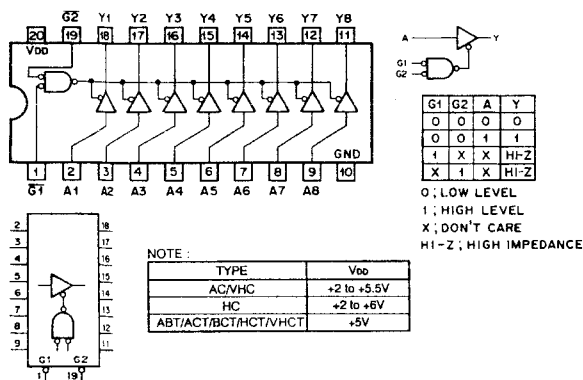


NOTE:

TYPE	V <sub>DD</sub>
TC74VHC11	+2V to +5.5V
OTHER TYPES	+2V to +6V

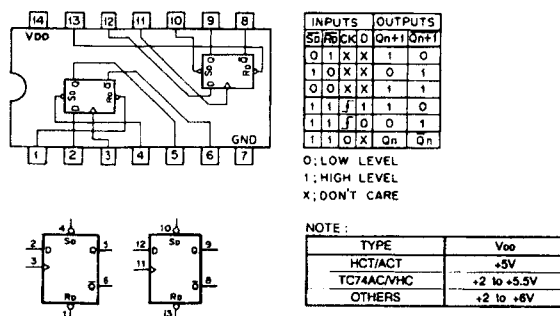
74AC541SJ (NS) FLAT PACKAGE  
 MC74HC541N (MOTOROLA)  
 SN74HC541ANS (TI) FLAT PACKAGE  
 SN74HCT541ANS (TI) FLAT PACKAGE  
 TC74VHC541F (TOSHIBA) FLAT PACKAGE  
 TC74VHC541FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)  
 TC74VHCT541FS (TOSHIBA) FLAT PACKAGE

C-MOS BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS  
 - TOP VIEW -



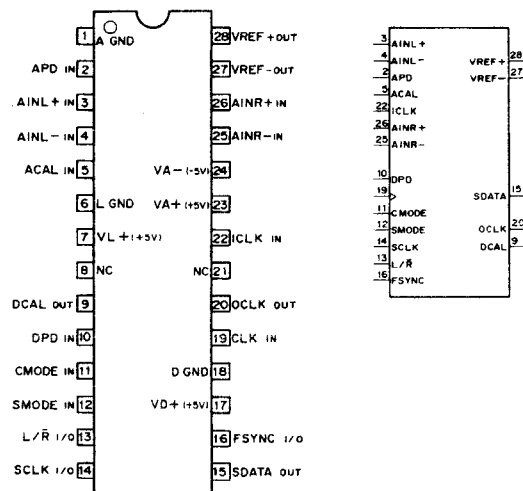
74AC74SJ (NS) FLAT PACKAGE  
 SN74HC74ANS (TI) FLAT PACKAGE  
 TC74VHC74F (TOSHIBA) FLAT PACKAGE  
 TC74VHC74FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET  
 - TOP VIEW -



AK5390-VS (ASAHI KASEI) FLAT PACKAGE

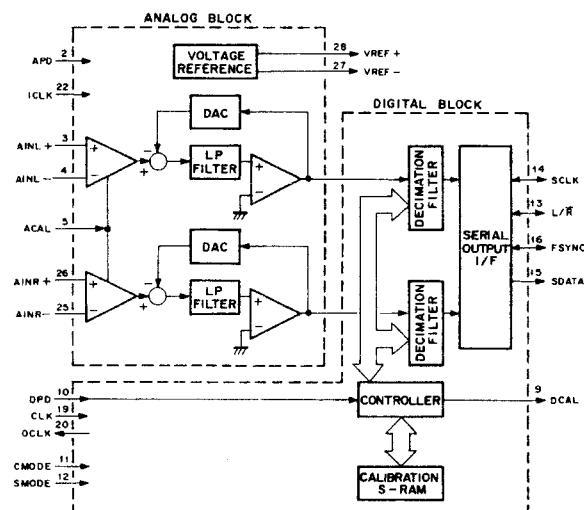
18-BIT STEREO A-D CONVERTER  
 - TOP VIEW -



INPUT  
 ACAL : ANALOG CALIBRATION  
 (H : AGND)  
 (L : ANALOG SIGNAL INPUT = AINL, AINR)  
 AINL+ : CHANNEL L ANALOG POSITIVE INPUT  
 AINL- : CHANNEL L ANALOG NEGATIVE INPUT  
 AINR+ : CHANNEL R ANALOG POSITIVE INPUT  
 AINR- : CHANNEL R ANALOG NEGATIVE INPUT  
 APD : POWER DOWN FOR ANALOG SECTION  
 CLK : MASTER CLOCK  
 (CMODE = H : 384fs)  
 (CMODE = L : 256fs)  
 CMODE : MASTER CLOCK SELECT  
 (L : CLK = 256fs, 12.288 MHz @ fs = 48 kHz  
 (H : CLK = 384fs, 18.432 MHz @ fs = 48 kHz)  
 DPD : POWER DOWN FOR DIGITAL SECTION  
 ICLK : 128fs CLOCK  
 SMODE : INTERFACE CLOCK SELECT  
 (L : SUB MODE)  
 (H : MASTER MODE)

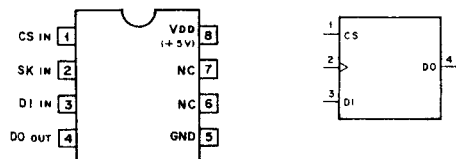
OUTPUT  
 DCAL : DIGITAL CALIBRATION  
 OCLK : 128fs CLOCK  
 SDATA : SERIAL DATA  
 VREF+ : REFERENCE POSITIVE VOLTAGE (+3.68 V)  
 VREF- : REFERENCE NEGATIVE VOLTAGE (-3.68 V)

INPUT/OUTPUT  
 FSYNC : FRAME SYNC CLOCK  
 L/R : INPUT CHANNEL SELECT  
 (SUB MODE : fs CLK INPUT)  
 (MASTER MODE : fs CLK OUTPUT)  
 SCLK : SERIAL DATA CLOCK  
 (SUB MODE : 64fs CLK INPUT)  
 (MASTER MODE : 64fs CLK OUTPUT)



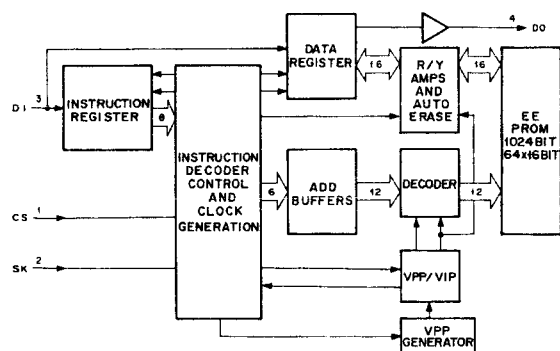
# CAT93C46K1

- TOP VIEW -



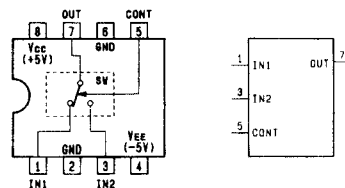
INPUT  
CS : CHIP SELECT  
DI : SERIAL DATA INPUT  
SK : SERIAL CLOCK

OUTPUT  
DO : SERIAL DATA OUTPUT



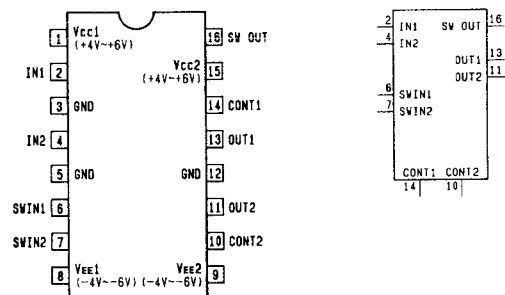
# CXA1450M (SONY) FLAT PACKAGE

VIDEO SIGNAL SWITCH  
- TOP VIEW -



# CXA1451M (SONY)

WIDEBAND VIDEO SWITCH  
- TOP VIEW -

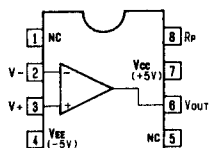


INPUT  
CONT1, 2 : POWER SAVE CONTROL PIN OF DRV.1 AND DRV.2  
IN1, 2 : 1/2CHANNEL INPUT PIN  
SWIN1, 2 : IN1/IN2 PINS SWITCH CONTROL PIN

OUTPUT  
OUT1, 2 : OUTPUT PIN OF DRV.1/2  
SWOUT : OUTPUTS IN1 PIN OR IN2 PIN WHICH HAS BEEN SELECTED BY SWITCH.

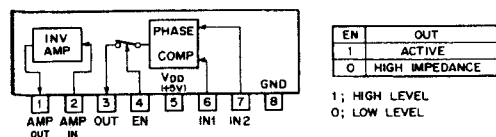
# CLC505AJE (COMLINEAR) FLAT PACKAGE

OPERATIONAL AMPLIFIER  
- TOP VIEW -



# CX23065A (SONY)

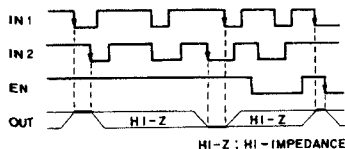
N-MOS PHASE COMPARATOR WITH INVERSION AMPLIFIER  
- PRINTED SIDE VIEW -



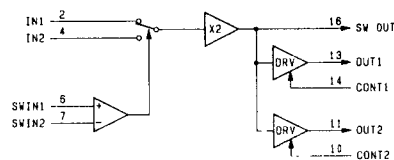
EN	OUT
1	ACTIVE
0	HIGH IMPEDANCE

1: HIGH LEVEL  
0: LOW LEVEL

TIMING CHART



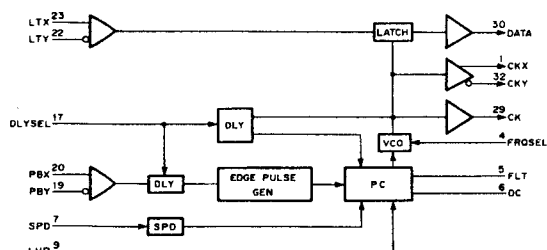
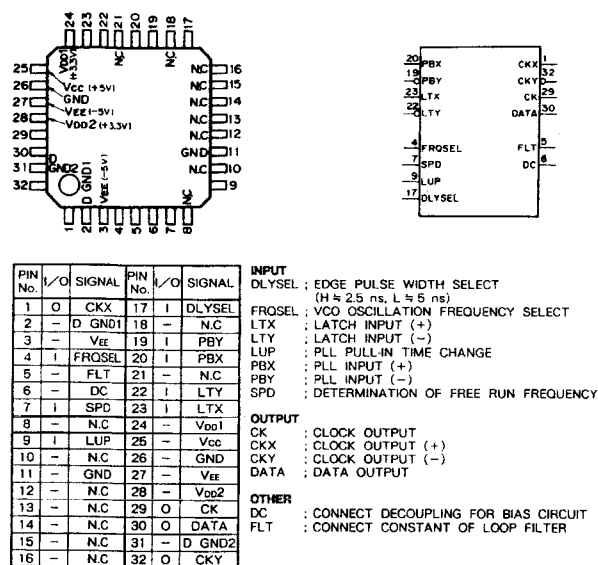
DVW-250/250P





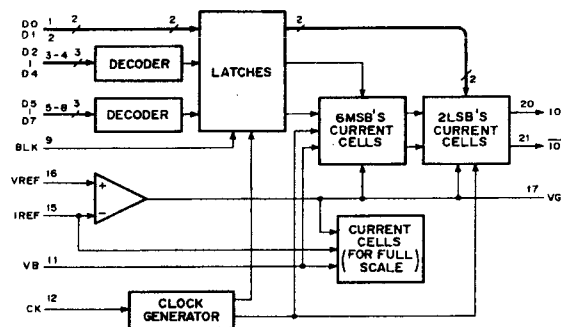
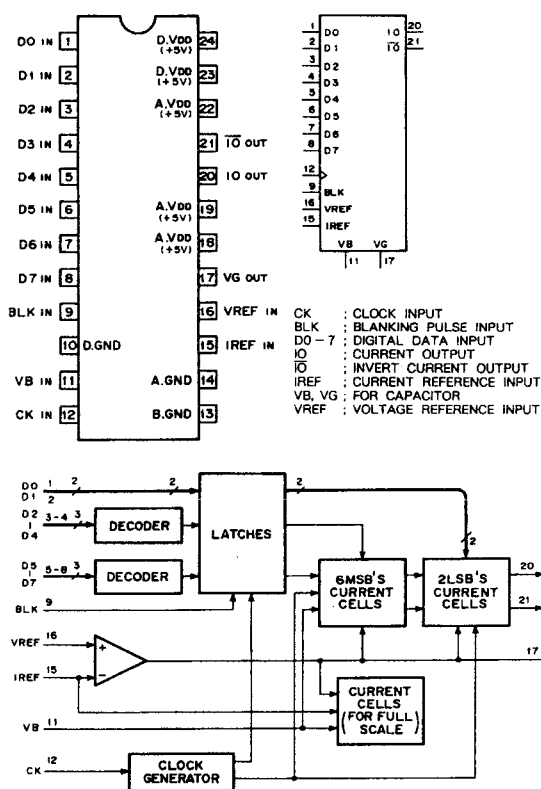
## CXA1805Q (SONY)

PHASE LOCKED LOOP CIRCUIT  
- TOP VIEW -



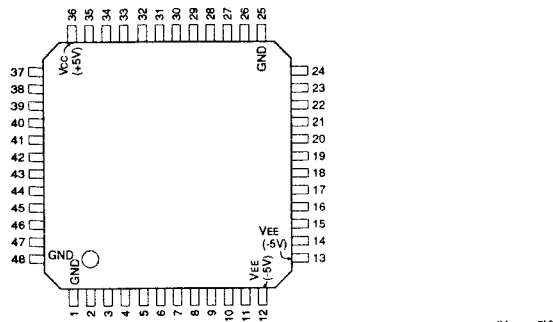
## CXD1171M (SONY) FLAT PACKAGE

C-MOS 8-BIT D/A CONVERTER  
- TOP VIEW -



## CXA3034Q (SONY)

BYPOLAR/SILICON MONOLITHIC IC  
— TOP VIEW —



(VDD = +5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	-	GND	13	-	VEE (-5V)	25	-	GND	37	O	VMON
2	O	VRB1	14	O	VBGR	26	O	EQOX	38	I	PBSW
3	O	VRR	15	I	RDLY	27	O	EQOY	39	I	VTH
4	I	PBIX	16	I	RREF	28	O	DTOX	40	I	ENVI
5	I	PBIY	17	I	RLPF	29	O	DTOY	41	O	ENVO
6	I	REX	18	I	PBEN	30	I	CF2A	42	O	MON2
7	I	REY	19	I	EQEN	31	I	CF2B	43	O	MON1
8	O	PBOX	20	I	GAIN	32	I	CF1A	44	O	MON0
9	O	PBOY	21	I	OFS	33	I	CF1B	45	I	VRB2
10	I	EQIX	22	O	QFBX	34	I	CF0A	46	I	EFLX
11	I	EQIY	23	O	QFBY	35	I	CF0B	47	I	EFLY
12	-	VEE (-5V)	24	I	TSR	36	-	VCC (+5V)	48	-	GND

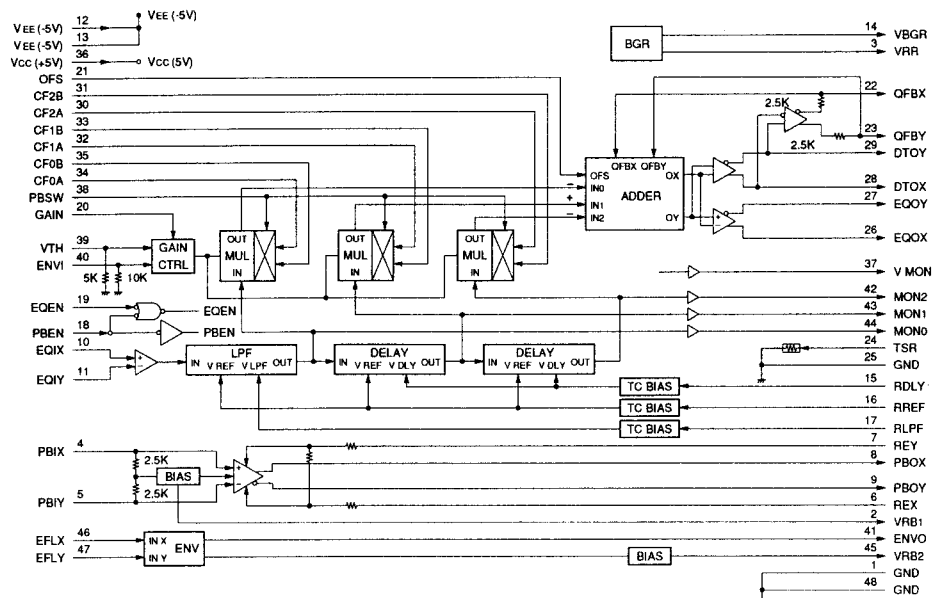
Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
34	CF0A	VMON	37	ENVI	ENVO	41	OUTPUT
35	CF0B	VMON0	44	DTOX, DTOY			
32	CF1A	VMON1	43	ENVO			
33	CF1B	VMON2	42	EQOX, EQOY			
30	CF2A			PBOX, PBOY			
31	CF2B			QFBX, QFBY			
6	REX	PBOX	8	VBGR			
7	REY	PBOY	9	VRB2			
4	PBIX			VRR			
5	PBIY			VMON			
10	EQIX	EQOX	26	VMON0			
11	EQIY	EQOY	27	VMON1			
18	PBEN	QFBX	22	VMON2			
19	EQEN	QFBY	23	VRB1			
40	ENVI	ENVO	41	VRB2			
46	EFLX	DTOX	28	VRR			
47	EFLY	DTOY	29	VBGR			
38	PBSW						
20	GAIN						
21	OFS						
39	VTH						
15	RDLY						
16	RREF						
17	RLPF						
24	TSR						

**INPUT**

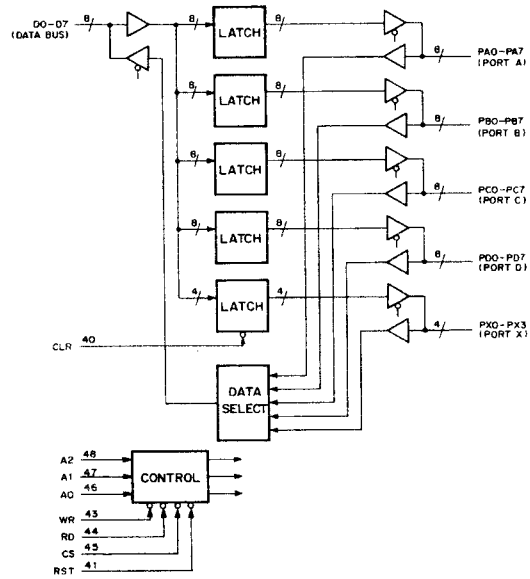
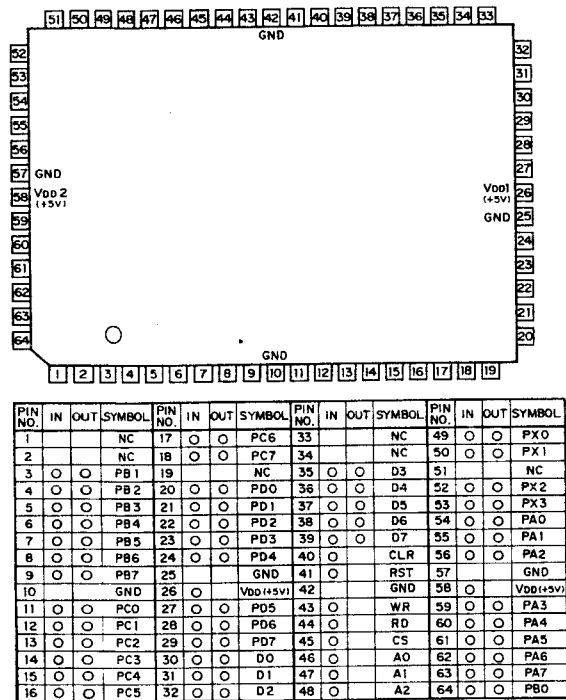
- CF0A, 0B, 1A, 1B, 2A, 2B : 3TAP FIR FILTER COEFFICIENT INPUT
- EFLX, EFLY : ENVELOPE DETECTOR DRIVE (X, Y)
- ENVI : AGC VOLTAGE
- EQIX, EQIY : EQUALIZER DRIVE (X, Y)
- EQEN : ENABLE INPUT
- GAIN : GAIN (EQUALIZER)
- OFS : OFF SET CONTROL (DC SERVO FEEDBACK INPUT)
- PBEN : ENABLE INPUT
- PBIX, PBIY : PREAMP DRIVE (X, Y)
- PB SW : 3TAP FIR FILTER COEFFICIENT SELECT
- RDLY : ACTIVE DELAY BIAS RESISTOR
- REX, REY : PREAMP GAIN SELECT (X, Y) (NORMALLY SHORT)
- RLPF : ACTIVE LPF BIAS RESISTOR
- RREF : ACTIVE DELAY/LPF BIAS RESISTOR
- TSR : CHIP THERMAL DETECT RESISTOR
- VTH : AGC GAIN LIMITER

**OUTPUT**

- DTOX, DTOY : ZERO CROSS COMPARTOR ECL DRIVE (X, Y)
- ENVO : ENVELOPE DETECTOR
- EQOX, EQOY : EQUALIZER DRIVE (X, Y)
- PBOX, PBOY : PREAMP DRIVE (X, Y)
- QFBX, QFBY : QFB FILTER (X, Y)
- VBGR : BAND GAP REFERENCE VOLTAGE
- VRB2 : MONITOR OUT REFERENCE VOLTAGE
- VRR : MONITOR OUT (ACTIVE LPF)
- VMON : MONITOR OUT (ACTIVE DELAY1)
- VMON0 : MONITOR OUT (ACTIVE DELAY2)
- VMON1 : PREAMP REFERENCE VOLTAGE
- VRB1 : ENVELOPE DETECTOR REFERENCE VOLTAGE
- VRR : EQUALIZER REFERENCE VOLTAGE



## CXD1095Q (SONY) FLAT PACKAGE

C-MOS I/O PORT EXPANDER  
- TOP VIEW -

CS	RD	WR	A2	A1	A0	MODE
0	0	1	0	0	0	PORT A → DATA BUS
0	0	1	0	0	1	PORT B → DATA BUS
0	0	1	0	1	0	PORT C → DATA BUS
0	0	1	0	1	1	PORT D → DATA BUS
0	0	1	1	0	0	PORT X → DATA BUS
0	0	1	1	0	1	---
0	0	1	1	1	0	---
0	0	1	1	1	1	---
0	1	0	0	0	0	DATA BUS → PORT A
0	1	0	0	0	1	DATA BUS → PORT B
0	1	0	0	1	0	DATA BUS → PORT C
0	1	0	0	1	1	DATA BUS → PORT D
0	1	0	1	0	0	DATA BUS → PORT X
0	1	0	1	0	1	---
0	1	0	1	1	0	DATA BUS → CTL REG.1
0	1	0	1	1	1	DATA BUS → CTL REG.2
1	X	X	X	X	X	DATA BUS; HI-Z

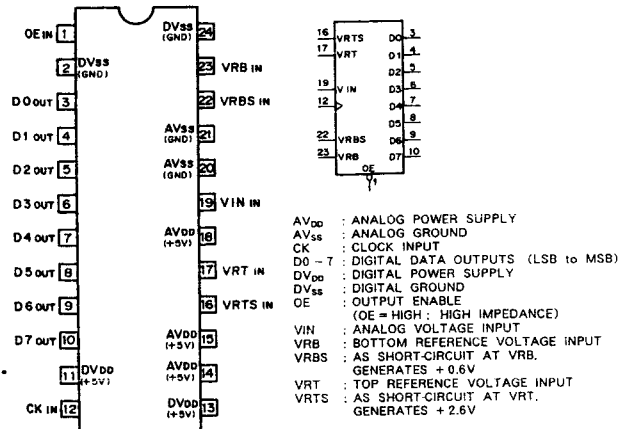
0; LOW LEVEL	1; HIGH LEVEL
X; DON'T CARE	HI-Z; HIGH IMPEDANCE

DO-D7; DATA BUS INPUTS/OUTPUTS
CS; CHIP SELECT INPUT
RD; READ STROBE INPUT
WR; WRITE STROBE INPUT
A0-A2; ADDRESS INPUT
RST; RESET INPUT
CLR; CLEAR INPUT
PA0-PA7; PORT A INPUTS/OUTPUTS
PB0-PB7; PORT B INPUTS/OUTPUTS
PC0-PC7; PORT C INPUTS/OUTPUTS
PD0-PD7; PORT D INPUTS/OUTPUTS
PX0-PX3; PORT X INPUTS/OUTPUTS

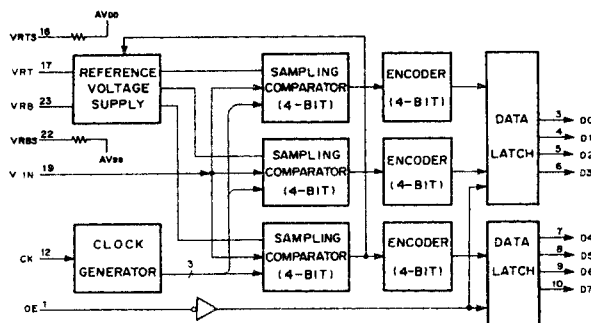
# CXD1175AM (SONY) FLAT PACKAGE

C-MOS 8-BIT 20MSPS VIDEO A/D CONVERTER  
- TOP VIEW -



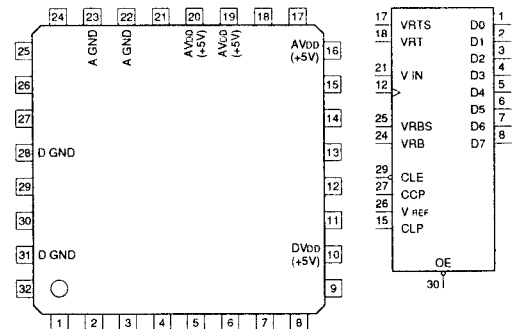
STEP	INPUT SIGNAL VOLTAGE	D7	D6	D5	D4	D3	D2	D1	D0
0	0V (VRT)	1	1	1	1	1	1	1	1
1	0.01V	1	1	1	1	1	1	1	0
...	...	...	...	...	...	...	...	...	...
127	1.34V	1	0	0	0	0	0	0	0
128	1.35V	0	1	1	1	1	1	1	1
...	...	...	...	...	...	...	...	...	...
255	2.7V (VRB)	0	0	0	0	0	0	0	0

0 : LOW LEVEL  
1 : HIGH LEVEL



## CXD2302Q (SONY)

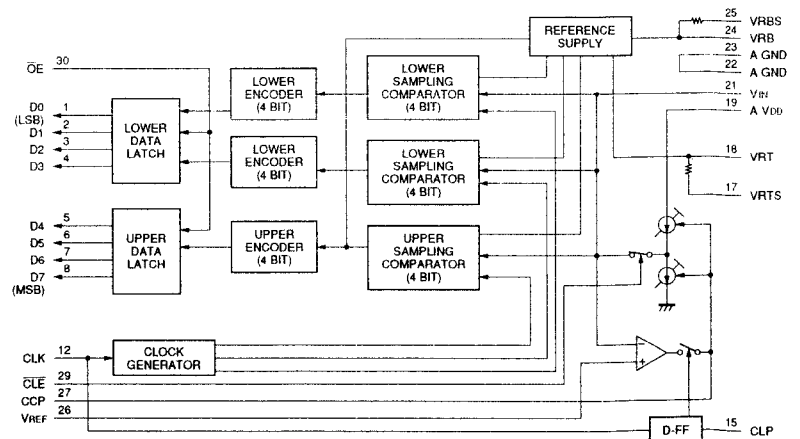
C-MOS 8-BIT 50MSPS VIDEO A/D CONVERTER  
- TOP VIEW -



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	D0 (LSB)	17	I	VRTS
2	O	D1	18	I	VRT
3	O	D2	19	-	AVDD
4	O	D3	20	-	AVDD
5	O	D4	21	-	V IN
6	O	D5	22	-	A GND
7	O	D6	23	-	A GND
8	O	D7 (MSB)	24	I	VRB
9	-	TEST	25	I	VRBS
10	-	D VDD	26	I	V REF
11	-	TEST	27	I	CCP
12	I	CLK	28	-	D GND
13	-	NC	29	I	CL
14	-	NC	30	I	OE
15	I	CLP	31	-	D GND
16	-	A VDD	32	-	NC

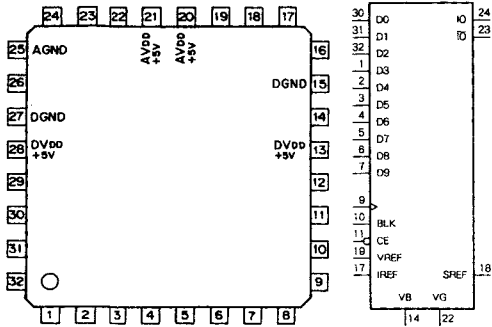
INPUT  
CCP : CLAMP CONTROL VOLTAGE  
FOR INTEGRATOR  
CLE : CLAMP ENABLE  
CLK : CLOCK  
CLP : CLAMP PULSE  
OE : OUTPUT ENABLE  
V IN : ANALOG  
VRB : REFERENCE VOLTAGE (BOTTOM)  
VRBS : SELF REFERENCE VOLTAGE  
SHORT TO AGND (+0.6 V/BOTTOM)  
VREF : VOLTAGE REFERENCE FOR CLAMP  
VRT : REFERENCE VOLTAGE (TOP)  
VRTS : SELF REFERENCE VOLTAGE SHORT TO AVDD  
(+2.5 V/TOP)

OUTPUT  
D0-D7 : DATA



## CXD2306Q (SONY)

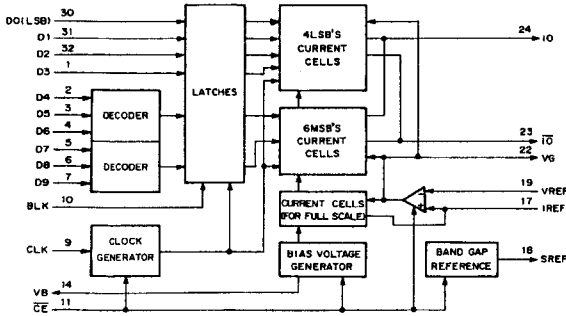
C-MOS 10-BIT 75MSPS 1CH D/A CONVERTER  
- TOP VIEW -



(A.VDD, D.VDD = +5V)

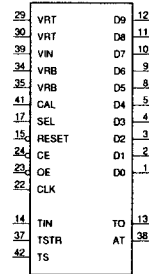
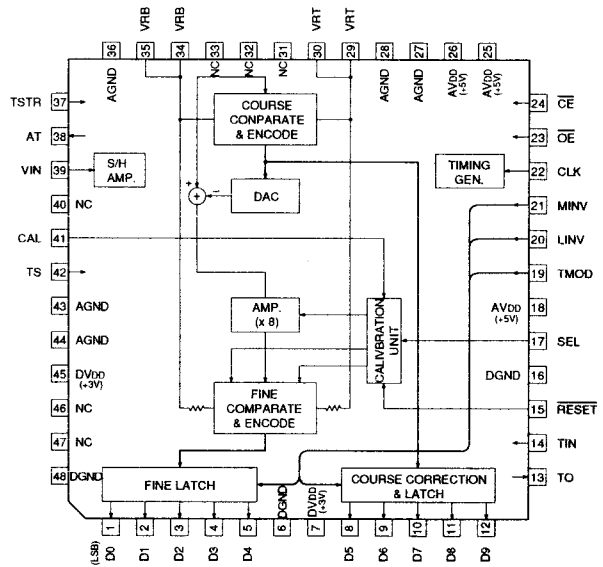
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	D3	17	I	IREF
2	I	D4	18	O	SREF
3	I	D5	19	I	VREF
4	I	D6	20	-	A.VDD
5	I	D7	21	-	A.VDD
6	I	D8	22	O	VG
7	I	D9 (MSB)	23	O	IO
8	-	NC	24	O	IO
9	I	CK	25	-	AGND
10	I	BLK	26	-	NC
11	I	CE	27	-	D.GND
12	-	NC	28	-	D.VDD
13	-	D.VDD	29	-	NC
14	O	VB	30	I	D0 (LSB)
15	-	D.GND	31	I	D1
16	-	NC	32	I	D2

CE : CHIP ENABLE  
CK : CLOCK INPUT  
BLK : BLANKING PULSE INPUT  
D0 - 7 : DIGITAL DATA INPUT  
IO : CURRENT OUTPUT  
IO : INVERT CURRENT OUTPUT  
IREF : CURRENT REFERENCE INPUT  
SREF : INDEPENDENT CONSTANT VOLTAGE OUTPUT  
VB, VG : FOR CAPACITOR  
VREF : VOLTAGE REFERENCE INPUT



## CXD2310R (SONY)

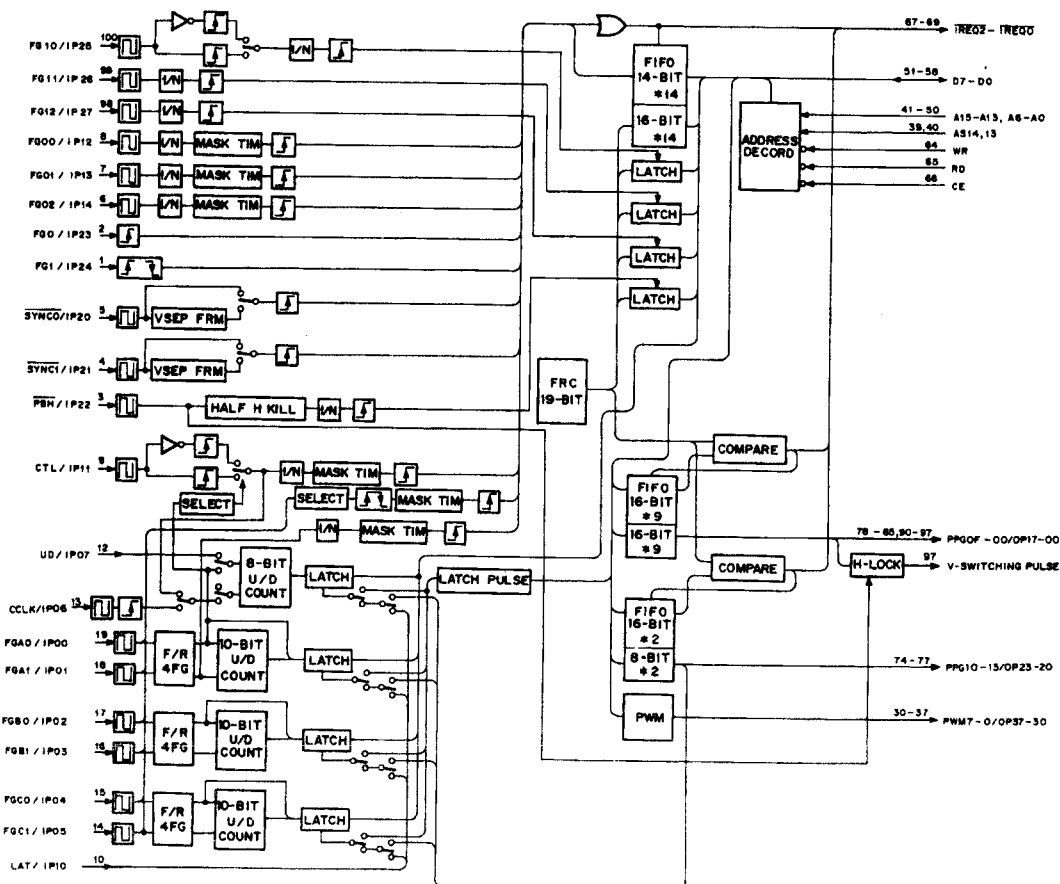
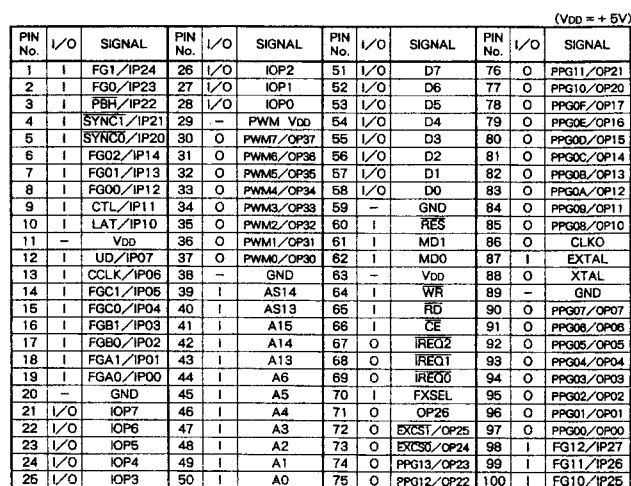
C-MOS 10-BIT 20MSPS VIDEO A/D CONVERTER  
- TOP VIEW -



INPUT  
CAL : CALIBRATION PULSE INPUT  
CE : CHIP ENABLE  
CLK : CLOCK  
LINV : OUTPUT (D0-D8) INVERSION  
MINV : OUTPUT (D9) INVERSION  
OE : DIGITAL DATA OUTPUT ENABLE  
RESET : CALIBRATION CIRCUIT RESET  
SEL : OUTPUT DATA (D5-D9) SELECT FOR CALIBRATION (4-CLOCK)  
HIGH, THROUGH OUTPUT, LOW, DATA FIXED AS WITH D0-D4  
TIN : TEST SIGNAL INPUT  
TMOD : TEST MODE  
TS : TEST SIGNAL INPUT  
TSTR : TEST SIGNAL INPUT  
VRB : REFERENCE BOTTOM VOLTAGE  
VRT : REFERENCE TOP VOLTAGE

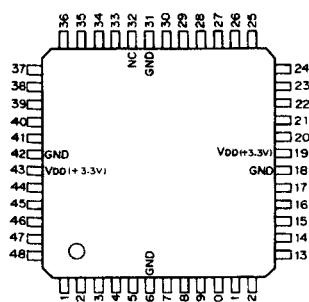
OUTPUT  
AT : TEST SIGNAL OUTPUT  
D0-D9 : DIGITAL DATA OUTPUT  
TO : TEST PIN

SERVO IC  
- TOP VIEW -



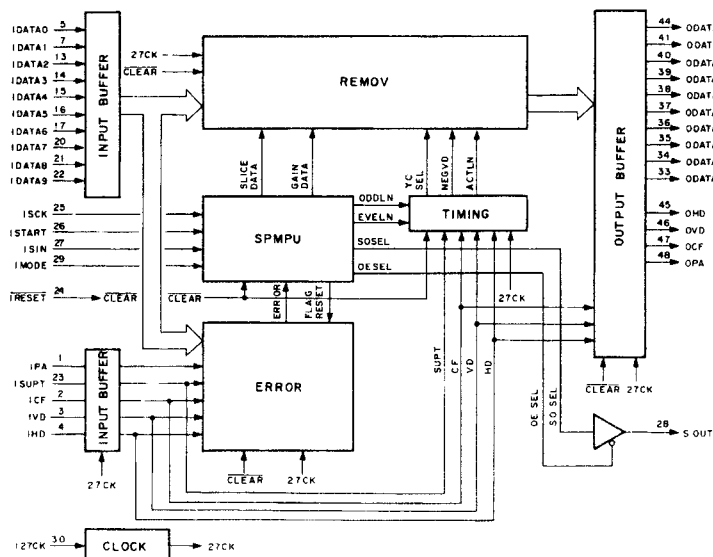
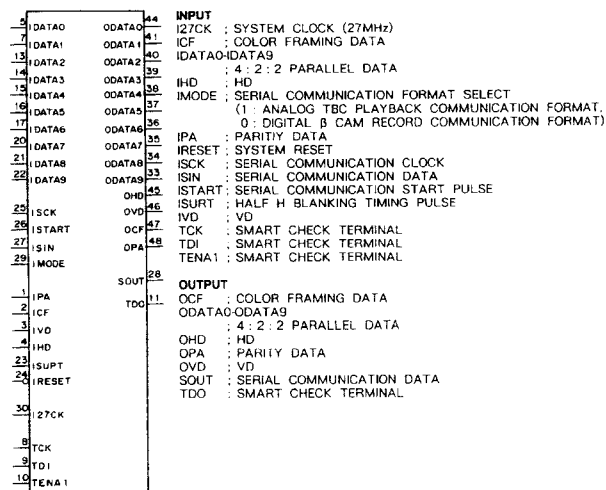
DVW-250/250P

## CXD303-101Q (SONY)

C-MOS SETUP ADD/REMOVE  
- TOP VIEW -

(VDD = +3.3V)

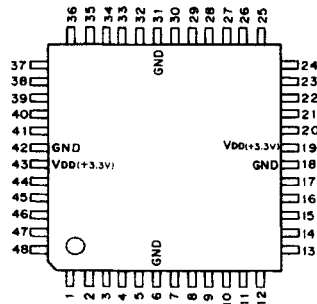
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	IPA	13	I	IDATA2	25	I	ISCK	37	O	ODATA5
2	I	ICF	14	I	IDATA3	26	I	ISTART	38	O	ODATA4
3	I	IVD	15	I	IDATA4	27	I	ISIN	39	O	ODATA3
4	I	IHD	16	I	IDATA5	28	O	SOUT	40	O	ODATA2
5	I	IDATA0	17	I	IDATA6	29	I	IMODE	41	O	ODATA1
6	-	GND	18	-	GND	30	I	I27CK	42	-	GND
7	I	IDATA1	19	-	VDD	31	-	GND	43	-	VDD
8	I	TCK	20	I	IDATA7	32	-	NC	44	O	ODATA0
9	I	TDI	21	I	IDATA8	33	O	ODATA9	45	O	OHD
10	I	TENA1	22	I	IDATA9	34	O	ODATA8	46	O	OVD
11	O	TDO	23	I	ISUPT	35	O	ODATA7	47	O	OCF
12	-	VST	24	I	IRESET	36	O	ODATA6	48	O	OPA





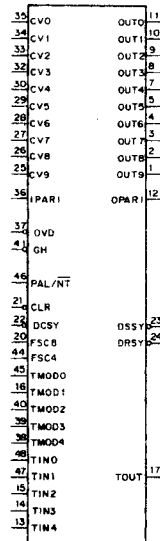
## CXD304-106Q (SONY)

C-MOS 10-BIT PEDESTAL LEVEL REPLACEMENT OF COMPOSITE SIGNAL  
- TOP VIEW -



(V<sub>DD</sub> = +3.3V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	OUT9	13	I	TIN4	25	I	CV9	37	I	OVD
2	O	OUT8	14	I	TIN3	26	I	CV8	38	I	TMOD4
3	O	OUT7	15	I	TIN2	27	I	CV7	39	I	TMOD3
4	O	OUT6	16	I	TMOD1	28	I	CV6	40	I	TMOD2
5	O	OUT5	17	O	TOUT	29	I	CV5	41	I	GH
6	-	GND	18	-	GND	30	I	CV4	42	-	GND
7	O	OUT4	19	-	V <sub>DD</sub>	31	-	GND	43	-	V <sub>DD</sub>
8	O	OUT3	20	I	FSC8	32	I	CV3	44	I	FSC4
9	O	OUT2	21	I	CLR	33	I	CV2	45	I	TMOD0
10	O	OUT1	22	I	DCSY	34	I	CV1	46	I	PAL/NT
11	O	OUT0	23	O	DSSY	35	I	CV0	47	I	TIN1
12	O	OPARI	24	O	DRSY	36	I	IPARI	48	I	TIN0

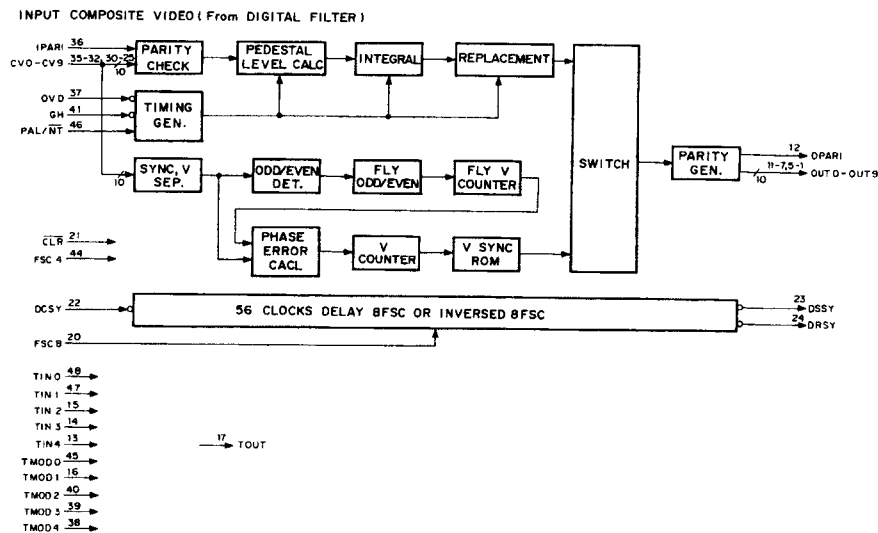


**INPUT**

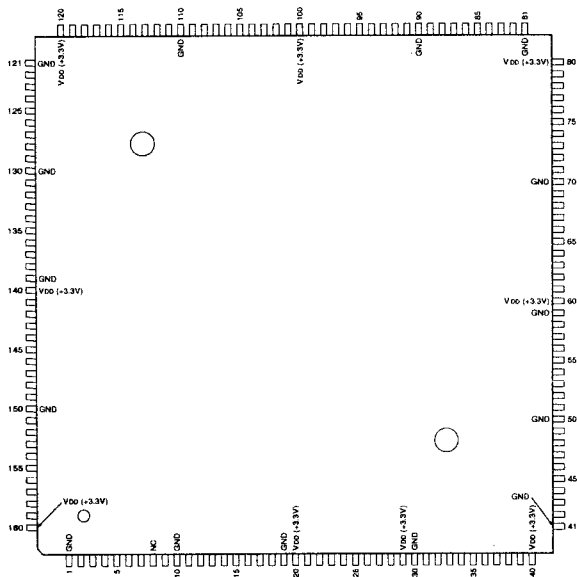
CLR : POWER ON RESET  
CV0 - CV9 : 10-BIT COMPOSITE DATA  
DCSY : ANALOG SYNC  
FSC4 : 4fsc CLOCK  
FSC8 : 8fsc CLOCK  
GH : GH (GATED H) FROM CXD8819AQ  
IPARI : PARITY OF INPUT DATA  
OVD : OUTPUT VD FROM CXD8819AQ  
PAL/NT : H: PAL, L: NTSC  
TIN0 - TIN4 : TEST PIN: OPEN  
TMOD0 - TMOD4 : TEST PIN: OPEN

**OUTPUT**

DRSY : ANALOG DELAYED SYNC (8fsc: 56-CLOCK)  
DSSY : ANALOG DELAYED SYNC (8fsc: 56-CLOCK)  
OPARI : PARITY OF OUTPUT DATA  
OUT0 - OUT9 : 10-BIT COMPOSITE DATA  
TOUT : TEST PIN



## CXD306-138Q (SONY)

C-MOS DATA RATE CONVERTER  
- TOP VIEW -

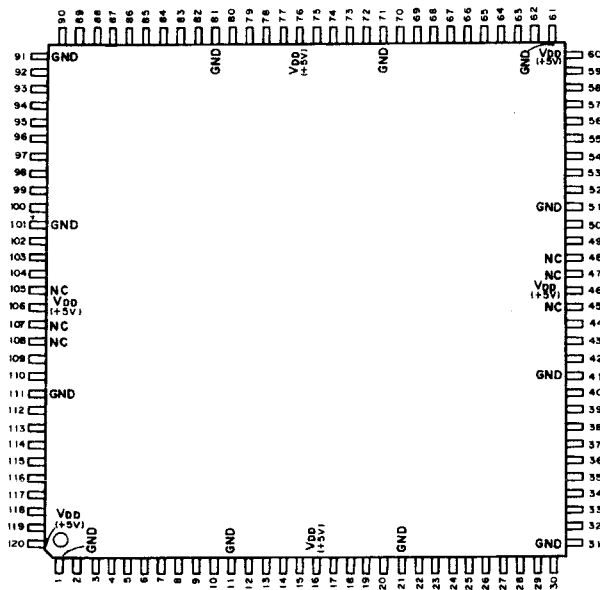
(VDD=+3.3V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	-	GND	41	-	GND	81	-	GND	121	-	GND
2	I	ENSP	42	I	SELB	82	I	RBD4	122	I	CK32
3	I	SVEN	43	O	PACS	83	I	RBD3	123	I	RDSSEL
4	I	RAES	44	I	PCDH	84	I	RBD2	124	I	H625
5	I	MEN	45	I	PDDH	85	I	RBD1	125	I	CCLR
6	I	EGEN	46	I	PCCG	86	I	RBD0	126	I	A2
7	I	EE	47	I	PCCG	87	O	VC1B	127	I	A1
8	-	NC	48	I	PCBF	88	O	VC1C	128	I	A0
9	I	SSTART	49	I	PDBF	89	O	OEG	129	I	POR
10	-	GND	50	-	GND	90	-	GND	130	-	GND
11	I	SCK	51	I	PCAE	91	I	RCD0	131	O	OUTCK
12	I	SDIN	52	I	PDAB	92	I	RCD1	132	O	SOUT
13	O	SDOUT	53	O	VC0A	93	I	RCD2	133	I	ENPT
14	I	REC	54	O	WACK	94	I	RCD3	134	I	ENCP
15	O	WE1	55	O	WAD4	95	I	RCD4	135	I	EBD3
16	O	WE2	56	O	WAD3	96	O	OEG	136	I	EBD2
17	O	RAEN	57	O	WAD2	97	O	WCD0	137	I	EBD1
18	O	RAEX	58	O	WAD1	98	O	WCD1	138	I	EBD0
19	-	GND	59	-	GND	99	O	WCD2	139	-	GND
20	-	VDD	60	-	VDD	100	-	VDD	140	-	VDD
21	O	RAEY	61	O	WAD0	101	O	WCD3	141	I	EAC3
22	O	RBFX	62	O	VC2A	102	O	WCD4	142	I	EAC2
23	O	RBFX	63	O	OEE	103	O	WCCK	143	I	EAC1
24	O	RCGX	64	O	RCK	104	O	VC0C	144	I	EAC0
25	O	RCGY	65	I	RAD4	105	O	VC1D	145	O	PBDP
26	O	RDHX	66	I	RAD3	106	I	RDD0	146	O	PBD3
27	O	RDHY	67	I	RAD2	107	I	RDD1	147	O	PBD2
28	O	MPX	68	I	RAD1	108	I	RDD2	148	O	PBD1
29	-	VDD	69	I	RAD0	109	I	RDD3	149	O	PBD0
30	-	GND	70	-	GND	110	-	GND	150	-	GND
31	O	MPXCK	71	O	OEA	111	I	RDD4	151	O	MO16
32	I	SEL8	72	O	VC1A	112	O	WDD0	152	O	PACP
33	I	SEL9	73	O	VC0B	113	O	WDD1	153	O	PAC3
34	I	SELA	74	O	WBCK	114	O	WDD2	154	O	PAC2
35	I	TCK	75	O	WBD4	115	O	WDD3	155	O	PAC1
36	I	TDI	76	O	WBD3	116	O	WDD4	156	O	PAC0
37	I	TENA1	77	O	WBD2	117	O	WDCK	157	I	SPLS
38	O	TDO	78	O	WBD1	118	O	VC0D	158	I	SCEN
39	-	VST	79	O	WBD0	119	I	TEST	159	I	SAEN
40	-	VDD	80	-	VDD	120	-	VDD	160	-	VDD

59	PAD0	WAD0	61	INPUT			
60	PAD1	WAD1	58	A0-A2	I/C ADDRESS		
67	PAD2	WAD2	57	CCLR	COUNTER CLEAR		
66	PAD3	WAD3	56	CK32	32MHz CLOCK		
65	PAD4	WAD4	55	EAC0-3	ENCODE A/C DATA		
		WACK	54	EBD0-3	ENCODE B/D DATA		
86	RBD0			EE	BYPASS		
85	RBD1		79	EGEN	EDIT GAP ENABLE		
84	RBD2	WBD0	78	ENCP	ENCODE		
83	RBD3	WBD1	77	ENPT	ENCODE ENABLE PARITY		
82	RBD4	WBD2	76	ENSP	ENCODE START PULSE		
		WBD3	75	H625	H625 MODE		
91	RCD0	WBCK	74	MEN	MPX ENABLE		
90	RCD1			PCAE	PB A/E CLOCK		
89	RCD2	WCD0	97	PCBF	PB B/F CLOCK		
88	RCD3	WCD1	98	PCCG	PB C/G CLOCK		
87	RCD4	WCD2	99	PCDH	PB D/H CLOCK		
		WCD3	101	PDAE	PB A/E DATA		
106	RDD0	WCD4	102	PDBF	PB B/F DATA		
107	RDD1	WCKC	103	PCDG	PB C/G DATA		
108	RDD2			PDDH	PB D/H DATA		
109	RDD3	WD00	112	POR	:RESET		
111	RDD4	WD01	113	RAIO-4	MEMORY (A) READ DATA		
		WD02	114	RAES	REC A/E SELECT		
144	EAC0	WD03	115	RB00-4	MEMORY (B) READ DATA		
143	EAC1	WD04	116	RC00-4	MEMORY (C) READ DATA		
142	EAC2	WDCK	117	RD00-4	MEMORY (D) READ DATA		
141	EAC3			RDSSEL	REC DATA SELECT		
		VC0A	53	REC	I/REC MODE		
138	EBD0	VC0B	73	SAEN	SAT A/E ENABLE		
137	EBD1	VC0C	104	SCEN	SAT C/G ENABLE		
136	EBD2	VC0D	118	SCR	SERIAL CLOCK		
135	EBD3	VC1E	72	SDIN	SERIAL DATA IN		
		VC1B	67	SSEL	PB A/E SELECT		
128	A0	VC1C	68	SCL2	PB C/T SELECT		
127	A1	VC1D	105	SELA	PB C/G SELECT		
126	A2	VC2A	62	SSELB	PB D/H SELECT		
		OEA	71	SPLS	START PULSE		
51	PCAE	OEA	89	SSSTART	SERIAL START		
52	PDAE	OEE	88	SVEN	SERVO REC ENABLE		
48	PCBF	OEE	96	TCK	TEST CLOCK		
49	PDBF	OEG	96	TDI	TEST DATA		
46				TENAI	TEST ENABLE		
47	PCCG	PAC0	156	TEST	TEST		
45	PCDH	PAC1	155	OUTPUT			
44	PDDH	PAC2	154	MO16	16MHz CLOCK OUT		
		PAC3	153	MPX	MPX DATA		
125	CCLR	PACP	152	MPXCK	MPX CLOCK		
				OEA/OEC/OEE/OEG	MEMORY OUTPUT ENABLE		
129	POR	PBD0	149	OUTCK	SERIAL OUT CLOCK		
		PBD1	148	PAC0-3	PB A/C DATA		
12	SDIN	PBD2	147	PACP	PB A/C PARITY		
11	SCR	PBD3	146	PACS	PB A/C SELECT		
9	SSSTART	PBD4	145	PBD0-3	PB B/D DATA		
8		PBDP		PBDP	PB B/D PARITY		
3	SVEN			RAEN	REC A ENABLE		
4	RAES	RAEX	18	RAEX,RAEY	REC A/E DATA		
5	MEN	RAEY	21	RBFX,RBGY	REC B/F DATA		
6	EGEN	RBFX	22	RCCK,RCGY	REC C/G DATA		
7	EE	RBFX	23		MEMORY READ CLOCK		
14	REC	RCGX	24	RDHX,RDHY	REC D/H DATA		
32	SEL2	RCGY	25	SOUT	SERIAL OUT DATA		
30	SSEL		26	SDOUT	SERIAL DATA		
34	SCLA	RDHX	27	TD0	TEST DATA		
42	SSELB	RAEN	17	VC0A-D	MEMORY VCL0-4		
157	SPLS			VC1A-D	MEMORY VCL1-4		
158	SCEN	SDOUT	132	VC2A	MEMORY VCL2		
159	SAEN	SOUT	131	WACK	MEMORY (A) WRITE CLOCK		
		OUTCK	84	WA00-4	MEMORY (A) WRITE DATA		
122	CK32	RBK	28	WBCK	MEMORY (B) WRITE CLOCK		
123	RDSSEL	MPX	31	WB00-4	MEMORY (B) WRITE DATA		
124	H625	MPXCK	31	WCKC	MEMORY (C) WRITE CLOCK		
37	TENAI	PACS	42	WCD0-4	MEMORY (C) WRITE DATA		
123	ENPT	MD16	15	WDCK	MEMORY (D) WRITE CLOCK		
124	ENCP	WE1	16	WD00-4	MEMORY (D) WRITE DATA		
		WE2	16	WE1,WE2	MEMORY WRITE ENABLE		
119	TEST	TD0	38				
35	TCK						
36	TDI						

## CXD8280AQ (SONY)

C-MOS DIGITAL AUDIO TIME BASE EXPANSION FOR SIF RECEIVER  
- TOP VIEW -



(VDD = +5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	-	GND	31	-	GND	61	-	GND	91	-	GND
2	IU	IT1	32	OT	C3/4	62	IU	OECD	92	IU	AUX0 (LSB)
3	IU	CLR	33	OT	C1/2	63	IU	CRA0 (LSB)	93	IU	AUX1
4	OT	DLY5 (MSB)	34	OT	U3/4	64	IU	CRA1	94	IU	AUX2
5	OT	DLY4	35	OT	U1/2	65	IU	CRA2	95	IU	AUX3
6	OT	DLY3	36	OT	V3/4	66	IU	CRA3	96	IU	AUX4
7	OT	DLY2	37	OT	V1/2	67	IU	CRA4	97	IU	AUX5
8	OT	DLY1	38	OT	AD3/4	68	IU	CRA5	98	IU	AUX6
9	OT	DLY0 (LSB)	39	OT	AD1/2	69	IU	CRA6 (MSB)	99	IU	AUX7
10	IU	OEDLY	40	ID	OED	70	IU	CREN	100	IU	AUX8
11	-	GND	41	-	GND	71	-	GND	101	-	GND
12	IU	IT2	42	ID	BCK	72	O	ERR1	102	IU	AUX9 (MSB)
13	IU	IT3	43	IU	LRCK	73	O	ERR2	103	IU	ADFT
14	IU	IT4	44	O	OT2	74	O	ERR3	104	IU	10/9
15	IU	IT5	45	-	NC	75	O	ERR4	105	-	NC
16	-	VDD	46	-	VDD	76	-	VDD	106	-	VDD
17	IU	MUTE4	47	-	NC	77	O	EXT1	107	-	NC
18	IU	MUTE3	48	-	NC	78	O	EXT2	108	-	NC
19	IU	MUTE2	49	IU	IT6	79	O	EXT3	109	IU	TRS
20	IU	MUTE1	50	IU	CRCK	80	O	EXT4	110	ID	VCK
21	-	GND	51	-	GND	81	-	GND	111	-	GND
22	IU	CHEX1	52	OT	CRD7 (MSB)	82	OT	DIDERR	112	IU	D2/D1
23	IU	CHEX0	53	OT	CRD6	83	OT	DIDERR	113	IU	DID1
24	IU	AFS	54	OT	CRD5	84	OT	DBNERR	114	IU	DID0
25	IU	LRS	55	OT	CRD4	85	OT	DBNERR	115	IU	ERDB
26	IU	DIR	56	OT	CRD3	86	OT	DCERR	116	IU	IT7
27	IU	20/16	57	OT	CRD2	87	OT	DCERR	117	IU	IT8
28	O	OT1	58	OT	CRD1	88	OT	UDPER	118	O	OT3
29	OT	Z3/4	59	OT	CRD0 (LSB)	89	OT	CSEERR	119	O	WRDL
30	OT	Z1/2	60	OT	VDD	90	IU	OEERR	120	-	VDD

IU : INPUT WITH PULL-UP REGISTER  
ID : INPUT WITH PULL-DOWN REGISTER  
OT : TRI-STATE OUTPUT

## INPUT (WITH PULL-DOWN REGISTER)

BCK : DIGITAL AUDIO BIT CLOCK (= 64 × F<sub>s</sub>)  
OED : OUTPUT ENABLE FOR PINS 29 THROUGH 39 (L)  
VCK : VIDEO CLOCK (= 4F<sub>sc</sub>)

## INPUT (WITH PULL-UP REGISTER)

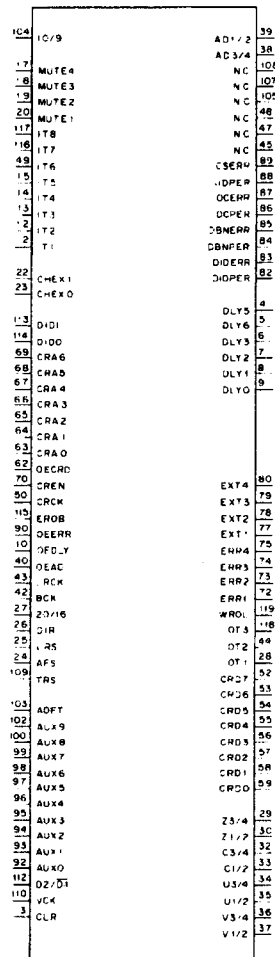
10/9 : INPUT AUX. DATA 10-BIT/9-BIT MODE SELECT  
20/16 : DIGITAL AUDIO 20-BIT/16-BIT SELECT  
ADFT : AUX. DATA FLAG TIMING  
AFS : DIGITAL AUDIO FORMAT SELECT  
CHEX1 : CHANNEL EXCHANGE 1  
AUX0 - AUX9 : AUX. DATA 0-9  
CHEX0,1 : CHANNEL EXCHANGE 0,1  
CLR : POWER ON CLEAR (L)  
CRA0 - CRA6 : CHANNEL STATUS READ ADDRESS 0-6  
CRCK : CHANNEL STATUS READ ADDRESS WRITE CLOCK  
CREN : CHANNEL STATUS READ ADDRESS WRITE ENABLE (L)  
D2/D1 : VIDEO FORMAT D2/D1 SELECT  
DID0,1 : DATA ID BIT 0,1  
DIR : DIGITAL AUDIO MSB FIRST/LSB FIRST SELECT  
ERDB : ERROR OVERRIDE FOR CIRCUIT DEBUG  
IT1-8 : TEST (L)  
LRCK : DIGITAL AUDIO L/R CLOCK (= F<sub>s</sub>)  
LRS : DIGITAL AUDIO LEFT/RIGHT BIT POSITION SELECT  
MUTE1 - MUTE4 : DIGITAL AUDIO CH1-CH4 MUTE (L)  
OECD : OUTPUT ENABLE FOR CRD0-7  
OEDLY : OUTPUT ENABLE FOR DLY0-5 (L)  
OEERR : OUTPUT ENABLE FOR PINS 82 THROUGH 89  
TRS : VIDEO H-SYNC

## OUTPUT

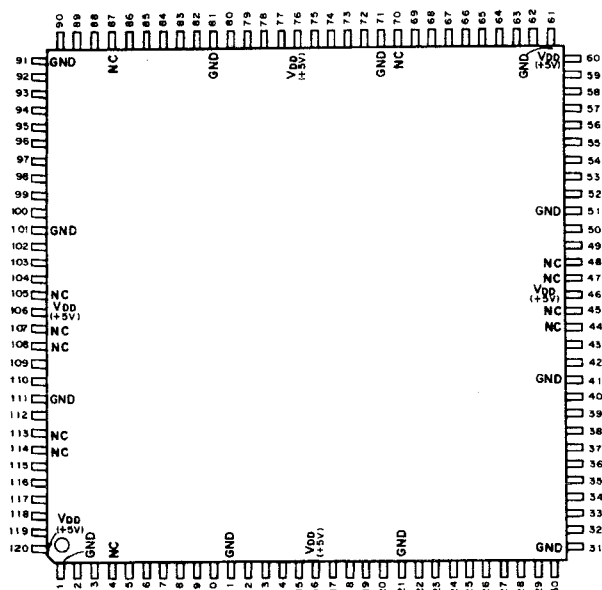
ERR1 - ERR4 : DIGITAL AUDIO CH1-CH4 ERROR (L)  
EXT1 - EXT4 : DIGITAL AUDIO CH1-CH4 EXIST  
OT1 : TEST (MEMORY READ)  
OT2 : TEST (READ CLEAR)  
OT3 : TEST (MEMORY WRITE)  
WRDL : TEST (WRITE/READ DELAY)

## OUTPUT (TRI-STATE)

AD1/2 : DIGITAL AUDIO CH1/2 DATA  
AD3/4 : DIGITAL AUDIO CH3/4 DATA  
C1/2 : DIGITAL AUDIO CH1/2 CHANNEL STATUS BIT  
C3/4 : DIGITAL AUDIO CH3/4 CHANNEL STATUS BIT  
CRD0 - CRD7 : CHANNEL STATUS READ DATA 0-7  
CSEERR : CHECK SUM ERROR (L)  
DBNERR : DBN UNCONTINUITY ERROR (L)  
DBNERR : DBN PARITY ERROR (L)  
DCERR : DC UNMATCH ERROR (L)  
DCPER : DC PARITY ERROR (L)  
DIDERR : DID UNMATCH ERROR (L)  
DIDERR : DID PARITY ERROR (L)  
DLY0 - DLY5 : SAMPLE DELAY INDICATOR BIT0-5  
U1/2 : DIGITAL AUDIO CH1/2 USER DATA BIT  
U3/4 : DIGITAL AUDIO CH3/4 USER DATA BIT  
UDPER : UD PARITY ERROR (L)  
V1/2 : DIGITAL AUDIO CH1/2 VALIDITY FLAG  
V3/4 : DIGITAL AUDIO CH3/4 VALIDITY FLAG (Z-FLAG)  
Z1/2 : DIGITAL AUDIO CH1/2 BLOCK SYNC (Z-FLAG)  
Z3/4 : DIGITAL AUDIO CH3/4 BLOCK SYNC (Z-FLAG)



C-MOS DIGITAL AUDIO TIME BASE COMPRESSION FOR SIF TRANSMITTER  
- TOP VIEW -



(VDD = +5V)											
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	-	VSS	31	-	GND	61	-	GND	91	-	GND
2	IU	IT1	32	ID	C3/4	62	IU	CWA0 (LSB)	92	OT	AUX0 (LSB)
3	IU	CLR	33	ID	C1/2	63	IU	CWA1	93	OT	AUX1
4	-	NC	34	ID	U3/4	64	IU	CWA2	94	OT	AUX2
5	O	OT1	35	ID	U1/2	65	IU	CWA3 (MSB)	95	OT	AUX3
6	O	OT2	36	ID	V3/4	66	IU	CWEN	96	OT	AUX4
7	O	OT3	37	ID	V1/2	67	IU	IT3	97	OT	AUX5
8	O	OT4	38	ID	AD3/4	68	IU	IT4	98	OT	AUX6
9	O	OT5	39	ID	AD1/2	69	IU	IT5	99	OT	AUX7
10	O	OT6	40	ID	BCK	70	-	NC	100	OT	AUX8
11	-	GND	41	-	GND	71	-	GND	101	-	GND
12	O	OT7	42	ID	12BCK	72	IU	DID0	102	OT	AUX9 (MSB)
13	O	OT8	43	IU	LACK	73	IU	DID1	103	O	ADBT
14	O	OT9	44	-	NC	74	IU	LIMO	104	ID	OEAUX
15	O	OT10	45	-	NC	75	IU	LIM1	105	-	NC
16	-	VDD	46	-	VDD	76	-	VDD	106	-	VDD
17	O	OT11	47	-	NC	77	IU	CHS1	107	-	NC
18	O	OT12	48	-	NC	78	IU	CHS2	108	-	NC
19	O	OT13	49	IU	IT2	79	IU	CHS3	109	IU	SYNC
20	O	OT14	50	IU	CWCK	80	IU	CHS4	110	ID	VCK
21	-	GND	51	-	GND	81	-	GND	111	-	GND
22	IU	CHEX1	52	IU	CWD7 (MSB)	82	IU	DLV0 (LSB)	112	IU	DZ/D1
23	IU	CHEX0	53	IU	CWD6	83	IU	DLY1	113	-	NC
24	IU	AFS	54	IU	CWD5	84	IU	DLY2	114	-	NC
25	IU	LRS	55	IU	CWD4	85	IU	DLY3	115	O	OT15
26	IU	DIR	56	IU	CWD3	86	IU	DLY4 (MSB)	116	O	OT16
27	IU	20/16	57	IU	CWD2	87	-	NC	117	O	OT17
28	IU	ZCS	58	IU	CWD1	88	O	AUXT	118	O	OT18
29	ID	Z3/4	59	-	CWD0 (LSB)	89	O	UDT	119	O	OT19
30	ID	Z1/2	60	-	VDD	90	O	ADFT	120	-	VDD

IU : INPUT WITH PULL-UP REGISTER  
ID : INPUT WITH PULL-DOWN REGISTER  
OT : TRI-STATE OUTPUT

```

INPUT (WITH PULL-DOWN RESISTOR)
AD1/2:    DIGITAL AUDIO CH1/2 X FS CLOCK
AD3/4:    DIGITAL AUDIO CH3/4 CLOCK
BCK       DIGITAL AUDIO BIT CLOCK (= 64 × FS)
C1/2      DIGITAL AUDIO CH1/2 CHANNEL STATUS BIT
C3/4      DIGITAL AUDIO CH3/4 CHANNEL STATUS BIT
DOUTX     OUTPUT ENABLE FOR AUDIO-9 (L)
U1/2      DIGITAL AUDIO CH1/2 USER DATA BIT
U3/4      DIGITAL AUDIO CH3/4 USER DATA BIT
V1/2      DIGITAL AUDIO CH1/2 VALIDITY FLAG
V3/4      DIGITAL AUDIO CH3/4 VALIDITY FLAG
VCLK      VIDEO CLOCK (REF. CLOCK)
Z1/2      DIGITAL AUDIO CH1/2 BLOCK SYNC (Z-FLAG)
Z3/4      DIGITAL AUDIO CH3/4 BLOCK SYNC (Z-FLAG)

```

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0010 (WITH PULL-UP RESISTOR)
0016: DIGITAL AUDIO 20BIT/16BIT SELECT
AF5: DIGITAL AUDIO FORMAT SELECT
CHEX0,1: CHANNEL EXCHANGE 0,1
CHS1 - CHS4: AUDIO CH1 - CH4 OUTPUT SELECT (L)
CLR: POWER ON CLEAR (L)
CWAEL - CWA3: CHANNEL STATUS REGISTER WRITE ADDRESS 0 - 3
CWACK: CHANNEL STATUS REGISTER WRITE CLOCK
CWDO - CWDT: CHANNEL STATUS REGISTER WRITE DATA 0 - 7
CWN: CHANNEL STATUS REGISTER WRITE ENABLE
D2/D1: VIDEO FORMAT D2/D1 SELECT
DID0,1: DATA ID BIT0,1
DIGITAL_AUDIO_MSB_FIRST_LSB_FIRST_SELECT: DIGITAL AUDIO MSB FIRST/LSB FIRST SELECT
DLY0 - DLY4: DELAY CONTROL BIT0 - BIT3
IT1 - IT5: TEST (L)
LIMO,1: LINE MODE 0,1
LRCK: DIGITAL AUDIO L/R CLOCK (= Fs)
LRS: DIGITAL AUDIO LEFT/RIGHT BIT POSITION SELECT
VSYNC_INPU: VIDEO SYNC INPUT
ZCS: DIGITAL AUDIO Z-FLAG C-BIT SELECT

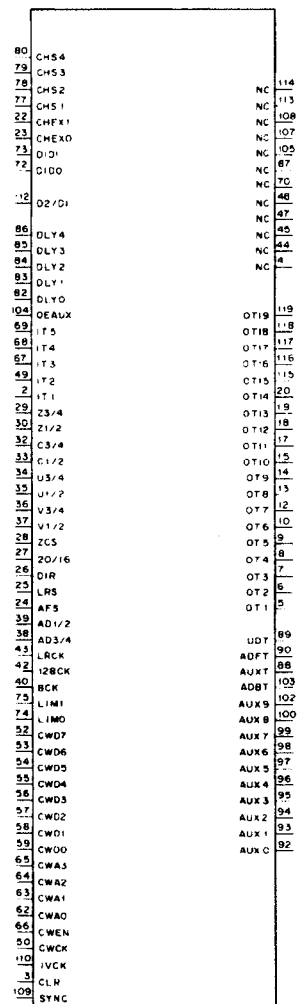
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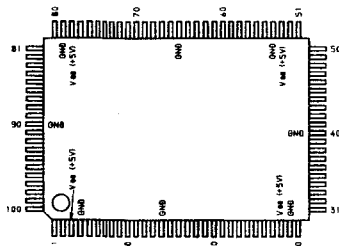
ADBT      : AUX. DATA BLOCK TIMING
ADFT      : AUX. DATA FLAG TIMING
AUXT      : AUX. DATA TIMING
OT1 - OT19 : TEST
UDT       : USER DATA TIMING

```

**OUTPUT (TRI-STATE)**  
AUX0 – AUX9 : AUX. DATA 0 – 9

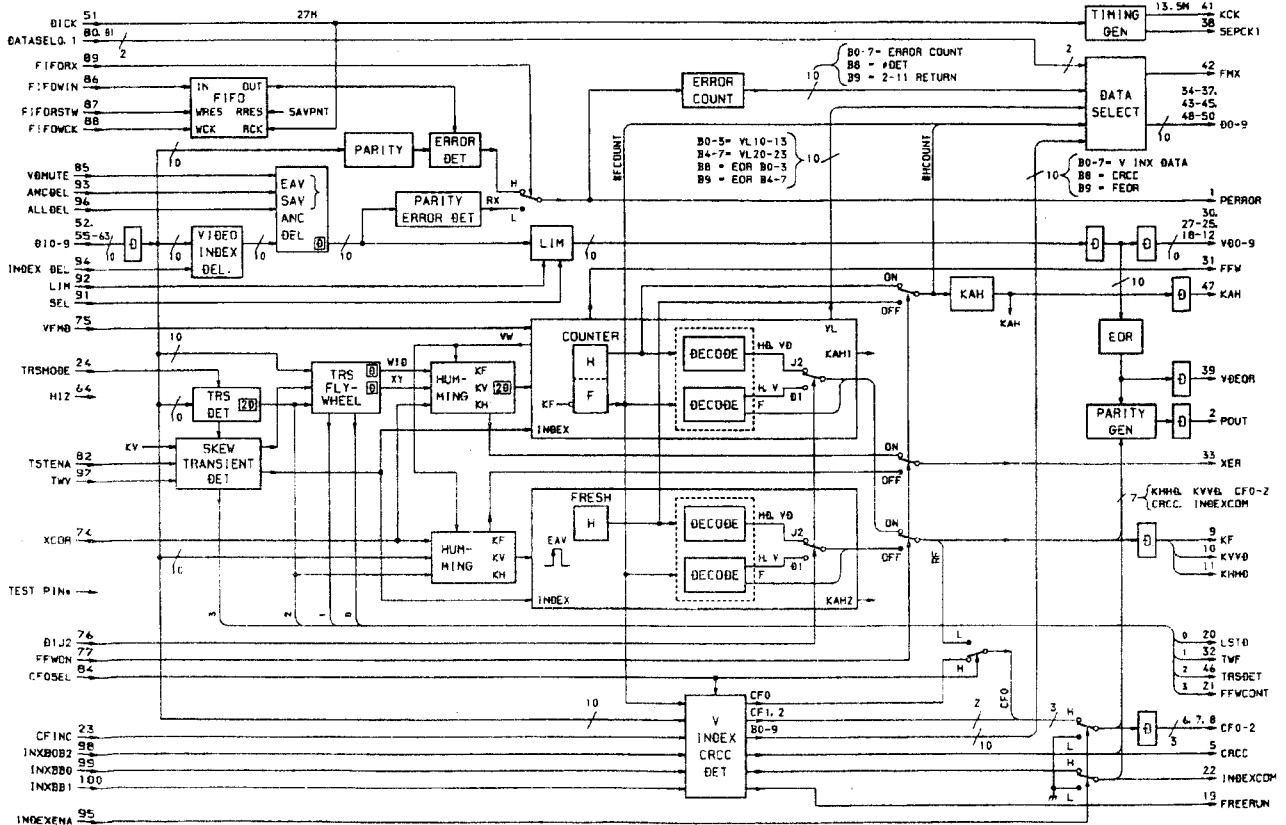


## CXD8386AQ (SONY)

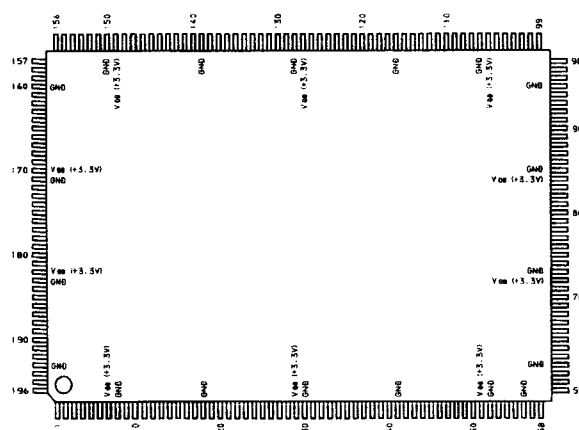
C-MOS 4:2:2 COMPONENT DECODER  
- TOP VIEW -

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	PERROR	26	O	V02	51	I	DICK	76	I	DIJ2
2	O	POUT	27	O	V01	52	I	DIO	77	I	FFWON
3	-	V00	28	-	V00	53	-	V00	78	-	V00
4	-	GND	29	-	GND	54	-	GND	79	-	GND
5	O	CRCC	30	O	V00	55	I	D11	80	I	DATASELO
6	O	CF2	31	O	FFW	56	I	D12	81	I	DATASEL1
7	O	CF1	32	O	TFW	57	I	D13	82	I	TSTENA
8	O	CF0	33	O	XER	58	I	D14	83	I	TEST
9	O	KF	34	O	00	59	I	D15	84	I	CF0SEL
10	O	KVY0	35	O	01	60	I	D16	85	I	VDMUTE
11	O	KH00	36	O	02	61	I	D17	86	I	FIFOWIN
12	O	V05	37	O	03	62	I	D18	87	I	FIFOWSTW
13	O	V08	38	O	SEPCK1	63	I	D19	88	I	FIFOWCK
14	O	V07	39	O	VDEOR	64	I	HIZ	89	I	FIFORX
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	O	V04	41	O	KCK	66	I	TCLR	91	I	SEL
17	O	V05	42	O	FMX	67	I	THCNT	92	I	LIM
18	O	V04	43	O	04	68	I	TFCK	93	I	INDEXDEL
19	O	FREERUN	44	O	05	69	I	TCNT	94	I	INDEXENA
20	O	LSTD	45	O	06	70	I	TFCK	95	I	INDEXENA
21	O	FFWCON	46	O	TRSDET	71	I	TCH01	96	I	ALLDEL
22	O	INDEXCOM	47	O	KAH	72	I	TCH02	97	I	TWV
23	I	CFINC	48	O	07	73	I	THCOR	98	I	INXBOB2
24	I	TRSHOE	49	O	08	74	I	XCOR	99	I	INXBOB0
25	O	V03	50	O	09	75	I	VFB0	100	I	INXBB1

89	FIFORX	PERROR	1	INPUT	DELETE CONTROL FOR BETWEEN EAV AND SAV
87	FIFORSTW	LSTD	20	ALLDEL	ANC DELETE CONTROL
88	FIFOWCK	XER	33	CF0SEL	CF0 SELECT
86	FIFOWIN		47	CFINC	CF INCREMENT CONTROL
74	XCOR	KAH	71	DIJ2	MODE SELECT
76	DIJ2	FFWCON	22	DATASELO.1	B0-B9 DATA CONTROL
77	FFWON	INDEXCOM	19	B10-9	VIDEO DATA BUS
80	DATASELO	FREERUN	38	DICK	27MHz CLOCK
81	DATASEL1	SEPCK1	39	FFWON	SYNCHRONIZE SYSTEM FLYWHEEL/DIRECT SELECT
82	TSTENA	VDEOR	41	FIFORSTW, FIFORX, FIFOWCK, FIFOWIN	
83	TEST	KCK	9		SELF-DIAGNOSIS
84	CF0SEL	KF	10	HIZ	OUTPUT SYSTEM HI-IMPEDANCE CONTROL
85	VDMUTE	KVY0	11	INDEXDEL	INX DELETE CONTROL
91	SEL	KH00	2	INDEXENA	INX ENABLE CONTROL
23	CFINC	POUT	6	INXBOB2	INX CONTROL
94	INDEXDEL	CF2	7	INXBOB0.1	MOTOR CONTROL
95	INDEXENA	CF1	8	LIM	LIMITER ON/OFF CONTROL
92	LIM	CF0	5	SEL	LIMITER MODE SELECT
96	ALLDEL	CRCC	12	TCH01-02, TCLR, TCNT, TFCK, TFCNT, THCNT, THCOR, TSTENA	
97	TWV	V05	13		FOR TEST
98	INXBOB2	V08	15	TRSHOE	TRIS DETECT MODE SELECT
99	INXBOB0	V07	14	TWV	INDOT CONSECUTIVE DETECT CONTROL
100	INXBB1	V06	16	VDMUTE	MUTE CONTROL
93	ANCEDEL	V05	17	VFB0	525 V HYSTHESIS PROCESS
24	TRSHOE	V05	18	XCOR	TRIS XY-BYTE PROCESS
64	HIZ	V05	25		
75	FMX	V05	26		
66	TCLR	V05	27		
67	THCNT	V05	30		
68	TCNT	V05	50		
69	TFCK	V05	50		
70	TCH01	V05	50		
71	TCH02	V05	50		
72	THCOR	V05	50		
63	DIJ2	V05	50		
62	DIJ2	V05	50		
61	DIJ2	V05	50		
60	DIJ2	V05	50		
59	DIJ2	V05	50		
58	DIJ2	V05	50		
57	DIJ2	V05	50		
56	DIJ2	V05	50		
55	DIJ2	V05	50		
54	DIJ2	V05	50		
53	DIJ2	V05	50		
52	DIJ2	V05	50		
51	DIJ2	V05	50		



CXD8382BQ (SONY)

C-MOS DIGITAL ENCODER  
- TOP VIEW -

## INPUT

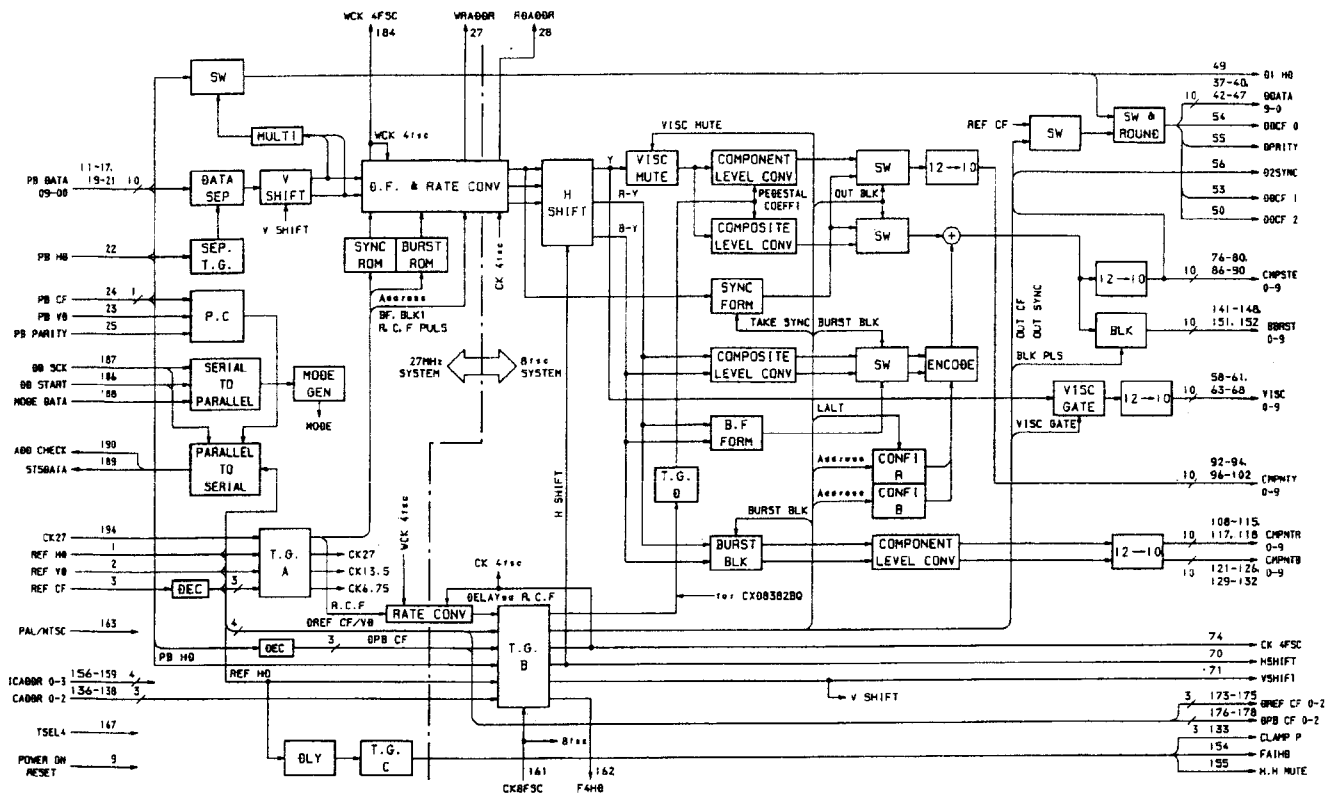
CADDR 0-2	:SCH SETUP OF OUTPUT SIGNAL
CK 4FSC	:STANDARD CLOCK FOR 8100 MODE
CK27	:STANDARD CLOCK FOR 27MHz MODE
00 SCK	:CLOCK FOR SERIAL COMMUNICATION BETWEEN MICROCOMPUTER
00 START	:STATUS PULSE FOR SERIAL COMMUNICATION BETWEEN MICROCOMPUTER
ICADDR 0-3	:ADDRESS AUTHORITY
MODE DATA	:DATA FOR SERIAL COMMUNICATION BETWEEN MICROCOMPUTER
PAL/NTSC	:INITIAL SETUP
PB CF	:COLOR FRAME (3-BIT) OF IMAGE DATA
PB DATA 00-09	:IMAGE DATA
PB H0	:H0 OF IMAGE DATA
PB V0	:V0 OF IMAGE DATA
PB PARITY	:PARITY BIT OF IMAGE DATA
POWER ON RESET	:RESET TERMINAL
REF CF	:COLOR FRAME OF REFERENCE
REF H0	:H0 OF REFERENCE
REF V0	:V0 OF REFERENCE

## OUTPUT

A00 CHECK	:CLOCK FOR SERIAL COMMUNICATION RECEIVE CHECK BETWEEN MICROCOMPUTER
BBRST 0-9	:DIGITAL DATA FOR BLACK BURST
CK 4FSC	:4FSC CLOCK AT 8100 COUNT DOWN
CLAMP P	:CLAMP PULSE
CHPNTB 0-9	:COMPONENT B DIGITAL DATA
CHPNTR 0-9	:COMPONENT R DIGITAL DATA
CHPNTY 0-9	:COMPONENT Y DIGITAL DATA
CHPSTE 0-9	:COMPOSITE DIGITAL DATA
00DATA 0-9	:IMAGE DATA AT 01 OUTPUT MODE, 02 DATA AT 02 OUTPUT MODE
0 PARITY	:PARITY BIT FOR DIGITAL DATA
01 H0	:H0 OF 27MHz PHASE AGREE WITH 00DATA
00CF 0	:ON THE BIT0 OF COLOR FRAME AT 01 AND 02 OUTPUT MODE
00CF 1	:COLOR FRAME (3-BIT) AT 01 OUTPUT MODE, ON THE BIT1 OF COLOR FRAME AT 02 OUTPUT MODE
00CF 2	:ON THE BIT2 OF COLOR FRAME AT 02 OUTPUT MODE
0PB CF 0-2	:PB CF DECODED DATA
0REF CF 0-2	:REF CF DECODED DATA
F4 H0	:H0 MAKE OF 4100
FAI H0	:H0 OF 27MHz SYNC PHASE AGREE WITH ANALOG DATA
H-M MUTE	:MAKE GATE FAI H0
HS SHIFT	:H SHIFT MODE
ROADOR	:FIFO READ ADDRESS MSB DATA FOR RATE CONVERT
STSBATA	:RESPONSE FOR SERIAL COMMUNICATION BETWEEN MICROCOMPUTER
V SHIFT	:V SHIFT MODE
VISC 0-9	:VISC DIGITAL DATA
WCK4FSC	:4100 CLOCK FOR RATE CONVERT
WRADOR	:FIFO WRITE ADDRESS MSB DATA FOR RATE CONVERT

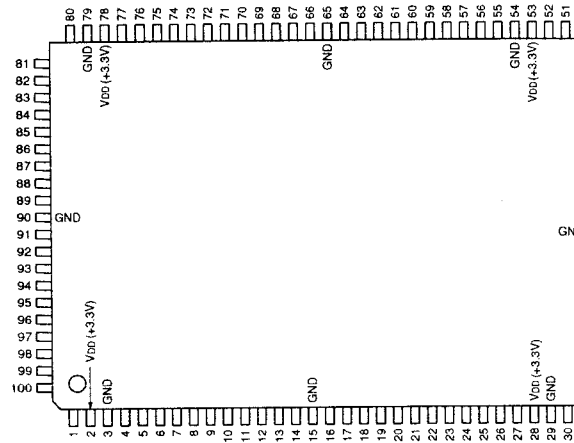
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	REF H0	41	-	GND	81	-	-	121	O	CHPNTB 6	161	I	CK4FSC
2	I	REF V0	42	O	00DATA 5	82	I	T04	122	O	CHPNTB 7	162	O	FAH0
3	I	REF CF	43	O	00DATA 4	83	I	T05	123	O	CHPNTB 8	163	I	PAL/NTSC
4	I	T00	44	O	00DATA 3	84	-	V00	124	O	CHPNTB 9	164	I	TSEL 1
5	I	T01	45	O	00DATA 2	85	-	GND	125	O	CHPNTB 4	165	I	TSEL 2
6	I	T02	46	O	00DATA 1	86	O	CHPSTE 5	126	O	CHPNTB 5	166	I	TSEL 3
7	-	V00	47	O	00DATA 0	87	O	CHPSTE 6	127	-	V00	167	I	MUTE/TSEL 4
8	-	GND	48	I	T12	88	O	CHPSTE 7	128	-	GND	168	I	TSEL 5
9	I	POWER ON RESET	49	O	01 H0	89	O	CHPSTE 8	129	O	CHPNTB 6	169	I	TSEL 6
10	I	T24	50	O	00CF 2	90	O	CHPSTE 9	130	O	CHPNTB 7	170	-	V00
11	I	PB DATA 09	51	-	V00	91	I	T14	131	O	CHPNTB 8	171	-	GND
12	I	PB DATA 08	52	-	GND	92	O	CHPNTRY 0	132	O	CHPNTB 9	172	I	TSEL 7
13	I	PB DATA 07	53	O	00CF 1	93	O	CHPNTRY 1	133	O	CLAMP P	173	O	0REF CF 0
14	I	PB DATA 06	54	O	00CF 0	94	O	CHPNTRY 2	134	I	T22	174	O	0REF CF 1
15	I	PB DATA 05	55	O	00PARITY	95	-	GND	135	I	T23	175	O	0REF CF 2
16	I	PB DATA 04	56	O	02SYNCH	96	O	CHPNTRY 3	136	I	CADDR 0	176	O	0PB CF 0
17	I	PB DATA 03	57	I	T13	97	O	CHPNTRY 4	137	I	CADDR 1	177	O	0PB CF 1
18	-	GND	58	O	VISC 0	98	O	CHPNTRY 5	138	I	CADDR 2	178	O	0PB CF 2
19	I	PB DATA 02	59	O	VISC 1	99	O	CHPNTRY 6	139	-	GND	179	I	T33
20	I	PB DATA 01	60	O	VISC 2	100	O	CHPNTRY 7	140	I	T24	180	I	T34
21	I	PB DATA 00	61	O	VISC 3	101	O	CHPNTRY 8	141	O	BBRST 0	181	I	T28
22	I	PB H0	62	-	GND	102	O	CHPNTRY 9	142	O	BBRST 1	182	-	V00
23	I	PB V0	63	O	VISC 4	103	I	T17	143	O	BBRST 2	183	-	GND
24	I	PB CF	64	O	VISC 5	104	I	T18	144	O	BBRST 3	184	O	WCK4FSC
25	I	PB PARITY	65	O	VISC 6	105	-	V00	145	O	BBRST 4	185	I	T27
26	I	T03	66	O	VISC 7	106	-	GND	146	O	BBRST 5	186	I	00 SCK
27	O	WRADOR	67	O	VISC 8	107	I	T19	147	O	BBRST 6	187	I	MODE DATA
28	O	ROADOR	68	O	VISC 9	108	O	CHPNTR 0	148	O	BBRST 7	188	I	STSBATA
29	-	V00	69	I	T14	109	O	CHPNTR 1	149	-	V00	189	O	01 H0
30	-	GND	70	O	HS SHIFT	110	O	CHPNTR 2	150	-	GND	190	O	A00 CHECK
31	I	T04	71	O	VSHIFT	111	O	CHPNTR 3	151	O	BBRST 8	191	I	T29
32	I	T07	72	-	V00	112	O	CHPNTR 4	152	O	BBRST 9	192	I	T30
33	I	T08	73	-	GND	113	O	CHPNTR 5	153	I	T25	193	-	GND
34	I	T09	74	O	CK 4FSC	114	O	CHPNTR 6	154	O	FAI H0	194	I	CK27
35	I	T10	75	I	T15	115	O	CHPNTR 7	155	O	H-M MUTE	195	I	T31
36	I	T11	76	O	CHPSTE 0	116	-	GND	156	I	ICADDR 0	196	I	T32
37	O	00DATA 9	77	O	CHPSTE 1	117	O	CHPNTR 8	157	I	ICADDR 1			
38	O	00DATA 8	78	O	CHPSTE 2	118	O	CHPNTR 9	158	I	ICADDR 2			
39	O	00DATA 7	79	O	CHPSTE 3	119	I	T20	159	I	ICADDR 3			
40	O	00DATA 6	80	O	CHPSTE 4	120	I	T21	160	-	GND			

\*Connect Pin 01 to the ground.



## CXD8384Q (SONY)

C-MOS LTC READER/GENERATOR  
- TOP VIEW -



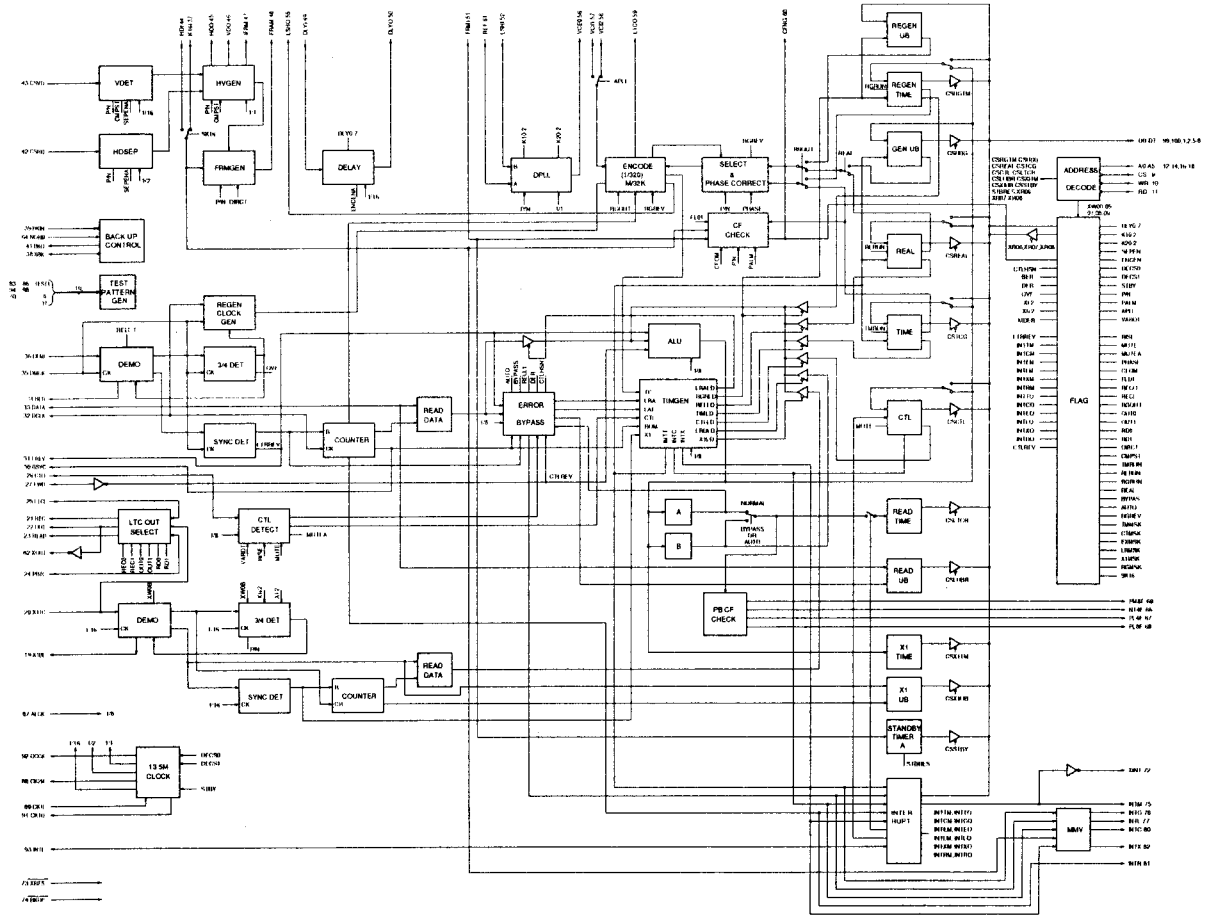
(VDD=+3.3V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	D2	26	I	CTL1	51	I	FRM1	76	O	INTG
2	I/O	D3	27	I	FWD	52	I	LSH1	77	O	INTL
3	-	VDD	28	-	VDD	53	-	VDD	78	-	VDD
4	-	GND	29	-	GND	54	-	GND	79	-	GND
5	I/O	D4	30	O	RSYC	55	O	LSHO	80	O	INTC
6	I/O	D5	31	O	LREV	56	O	VCEO	81	O	INTR
7	I/O	D6	32	O	DCLK	57	I	VCI1	82	O	INTX
8	I/O	D7	33	O	DATA	58	I	VCI2	83	I	TEST1
9	I	CS	34	O	BER	59	O	LTCO	84	I	TEST2
10	I	WR	35	I	DMCK	60	O	CFNG	85	I	TEST3
11	I	RD	36	I	DEMI	61	I	REF	86	I	TEST4
12	I	A0	37	I	K16I	62	O	XOUT	87	I	ALCK
13	I	A1	38	O	XBK	63	O	PORT	88	O	CK2M
14	I	A2	39	I	BKIN	64	I	NORM	89	I	CK11
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	I	A3	41	O	BKO	66	O	NT4F	91	O	CK10
17	I	A4	42	I	CSHD	67	O	PL4F	92	O	DCCK
18	I	A5	43	I	CSVD	68	O	PL8F	93	I	INTE
19	O	X1BE	44	I	HDI	69	O	PM8F	94	I	TEST5
20	I	X1TC	45	O	HDO	70	I	TEST11	95	I	TEST6
21	O	REC	46	O	VDD	71	I/O	LRRV	96	I	TEST7
22	O	OUT	47	O	IFRM	72	O	XINT	97	I	TEST8
23	O	READ	48	O	FRAM	73	I	XRES	98	I	TEST9
24	I	PBTC	49	I	DLY1	74	I	BKUP	99	I/O	D0
25	I	LTCI	50	O	DLYO	75	O	INTM	100	I/O	D1

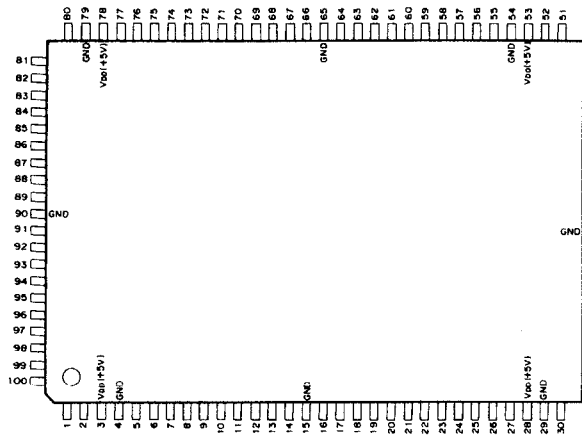
12	A0	NT4F	66
13	A1	PL4F	67
14	A2	PL8F	68
15	A3	PM8F	69
16	A4		
17	A5	D0	99
18	CS	D1	100
19	WR	D2	1
20	RD	D3	2
21		D4	5
22	CSHD	D5	6
23	CSVD	D6	7
24		D7	8
25			
26			
27	LRRV	RSYC	30
28	FWD	LREV	31
29	CTL1	DCLK	32
30	PBTC	DATA	33
31	LTCI	BER	34
32	X1TC		
33			
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INPUT	
A0-A5	: ADDRESS BUS IN
ALCK	: ARITHMETIC LOGIC UNIT CLOCK IN
BKIN	: BACKUP IN (NEGATIVE LOGIC)
BKUP	: BACKUP EXECUTION IN (NEGATIVE LOGIC)
CK11	: SYSTEM CLOCK IN
CSHD	: COMPOSITE SYNC/H IN
CSVD	: COMPOSITE SYNC/V IN
CTL1	: CTL SIGNAL IN
DEMI	: LONGITUDINAL TIME AND CONTROL CODE IN
DLY1	: INPUT TO DELAY CIRCUIT
DMCK	: LTC DEMODULATE CLOCK IN
FRM1	: FRAME SIGNAL IN
FWD	: CTL DIRECTION SIGNAL IN
HDI	: HORIZONTAL SYNC INPUT
INTE	: EXTERNAL INTERRUPT IN (POSITIVE LOGIC)
K16I	: 16KHz CLOCK IN
	: BACKUP CLOCK IN
LRRV	: DIRECTION INPUT FOR LTC READER CALCULATION
LTCI	: GENERATED LTC IN
LSH1	: LTC SYNCHRONOUS H INPUT
NORM	: NORMAL/BACKUP MODE SELECT
TEST11-TEST9	: TEST IN
TEST11	: TEST IN
PBTC	: PLAYBACK LTC IN
RD	: READ IN (NEGATIVE LOGIC)
REF	: REFERENCE OF LTC GENERATOR
VCI1	: LTC CLOCK IN-1
VCI2	: EXTERNAL LTC IN
X1TC	: LTC CLOCK IN-2
DLYO	: SYSTEM RESET IN (NEGATIVE LOGIC)
VCEO	: WRITE IN (NEGATIVE LOGIC)
WR	: WRITE IN (NEGATIVE LOGIC)
OUTPUT	
BER	: BI-PHASE MARK ERROR (BIT ERROR)
BKO	: BACKUP CONTROL OUT-2 (POSITIVE LOGIC)
CFNG	: COLOR FRAME ERROR FLAG OUT
CK10	: SYSTEM CLOCK OUT
CK2M	: CLOCK 2M OUT
CS	: CHIP SELECT IN (NEGATIVE LOGIC)
D0-D7	: DATA BUS
DATA	: DEMODULATED SERIAL DATA OUT
DCCK	: LTC DECODE CLOCK OUT
DCLK	: DEMODULATED CLOCK OUT
DLYO	: OUTPUT FROM DELAY CIRCUIT
FRAM	: FRAME SIGNAL OUT-2
INTM	: HORIZONTAL SYNC DRIVE OUT
HDO	: HORIZONTAL SYNC DRIVE OUT
IFRM	: FRAME SIGNAL OUT-1
INTC	: CTL INTERRUPT OUT (POSITIVE LOGIC)
INTG	: GENERATOR INTERRUPT OUT (POSITIVE LOGIC)
INTL	: READER INTERRUPT-1 OUT (POSITIVE LOGIC)
INTM	: INTERRUPT MIX OUT (POSITIVE LOGIC)
INTR	: READER INTERRUPT-2 OUT (POSITIVE LOGIC)
INTX	: EXTERNAL LTC INTERRUPT OUT (POSITIVE LOGIC)
LREV	: READ REV/FWD BIT OUT
LSHO	: LTC SYNCHRONOUS SIGNAL H OUT
LTCO	: LTC SIGNAL OUT
NT4F, PL4F, PL8F, PM8F	: DEMODULATED COLOR FRAME OUT
OUT	: EXTERNAL OUTPUT LTC OUT
PORT	: PORT
READ	: READ LTC OUT
REC	: RECORD LTC OUT
RSYC	: READ SYNC WORD DATA OUT
VCEO	: LTC CLOCK OUT
VDD	: VERTICAL SYNC DRIVE OUT
X1BE	: BI-PHASE MARK ERROR(NORMAL SPEED READER)
XBK	: BACKUP CONTROL OUT-1 (NEGATIVE LOGIC)
XINT	: INVERTED INTERRUPT MIX OUT (NEGATIVE LOGIC)
XOUT	: INVERTED EXTERNAL OUTPUT LTC OUT





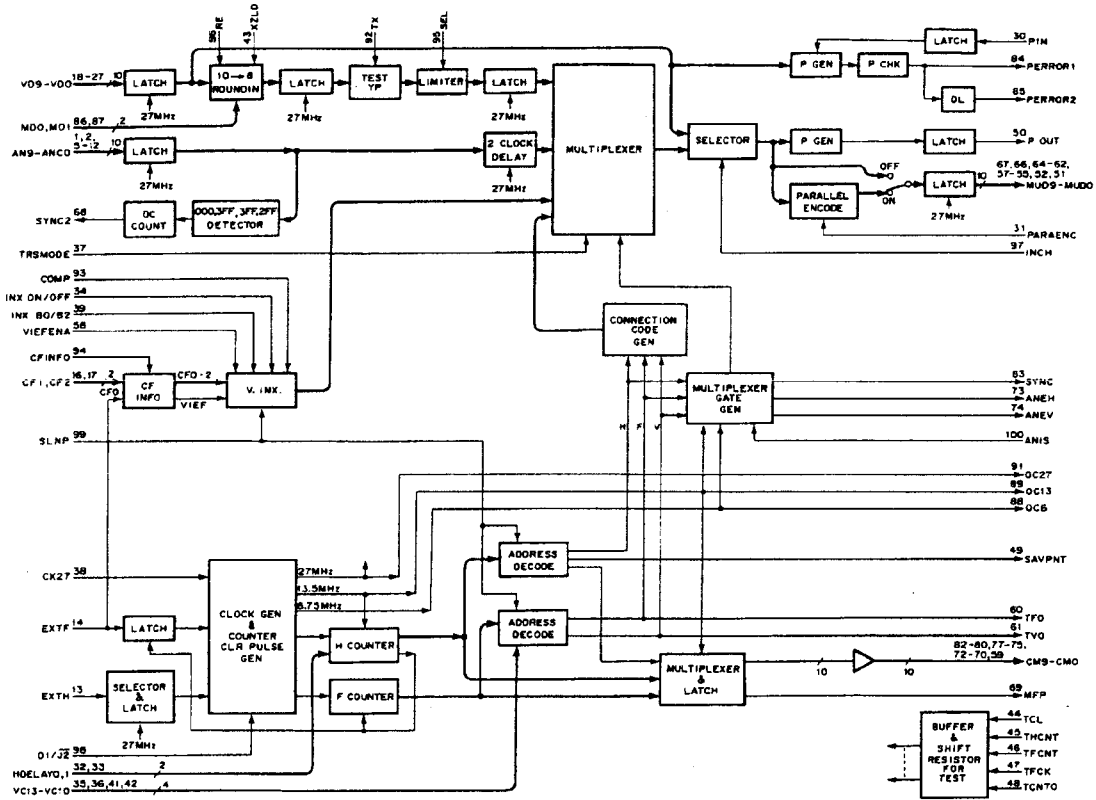
## CXD8385Q (SONY)

C-MOS ENCODER  
- TOP VIEW -

(V<sub>CC</sub> = +5 V)

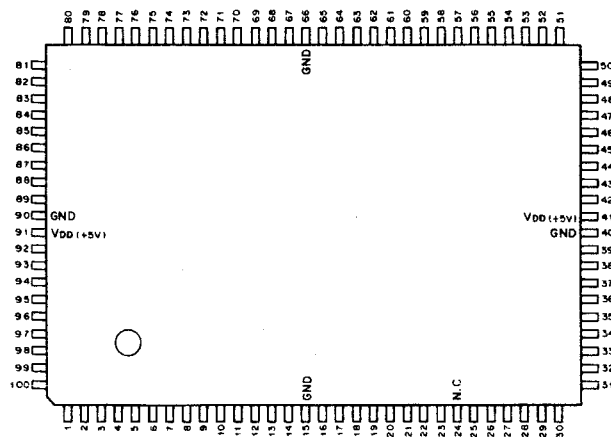
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	ANC9	26	I	VD1	51	O	MUD0	76	O	CM5
2	I	ANC8	27	I	VD0	52	O	MUD1	77	O	CM6
3	-	V <sub>DD</sub>	28	-	V <sub>DD</sub>	53	-	V <sub>DD</sub>	78	-	V <sub>DD</sub>
4	-	GND	29	-	GND	54	-	GND	79	-	GND
5	I	ANC7	30	I	PIN	55	O	MUD2	80	O	CM7
6	I	ANC6	31	I	PARAENC	56	O	MUD3	81	O	CM8
7	I	ANC5	32	I	HDELAY0	57	O	MUD4	82	O	CM9
8	I	ANC4	33	I	HDELAY1	58	I	VIEFENA	83	O	SYNC
9	I	ANC3	34	I	INX ON/OFF	59	O	CM0	84	O	PERROR1
10	I	ANC2	35	I	VC13	60	O	TFO	85	O	PERROR2
11	I	ANC1	36	I	VC12	61	O	TVO	86	I	MD0
12	I	ANC0	37	I	TRS MODE	62	O	MUD5	87	I	MD1
13	I	EXTH	38	I	CK27	63	O	MUD6	88	O	OC6
14	I	EXTF	39	I	INX B0/B2	64	O	MUD7	89	O	OC13
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	I	CF1	41	I	VC11	66	O	MUD8	91	O	OC27
17	I	CF2	42	I	VC10	67	O	MUD9	92	I	TX
18	I	VD9	43	I	XZLD	68	O	SYNC2	93	I	COMP
19	I	VD8	44	I	TCL	69	O	MFP	94	I	CFINFO
20	I	VD7	45	I	THCNT	70	O	CM1	95	I	SEL
21	I	VD6	46	I	TFCNT	71	O	CM2	96	I	RE
22	I	VD5	47	I	TFCK	72	O	CM3	97	I	INCH
23	I	VD4	48	I	TCNTO	73	O	ANEH	98	I	D1/J2
24	I	VD3	49	O	SAVPNT	74	O	ANEV	99	I	SLNP
25	I	VD2	50	O	POUT	75	O	CM4	100	I	ANIS

30	PIN	PERROR1	84	INPUT	
31	RE	PERROR2	85	ANC0 - ANC9	: ANCILLARY DATA
32	XZLD	POUT	86	ANIS	: ANC GATE CONTROL
33	VD0	MUD0	87	CF1/CF2	: CF DATA
34	VD1	MUD1	88	CFINFO	: CFINFO CONTROL
35	VD2	MUD2	89	CK27	: 27 MHz CLOCK
36	VD3	MUD3	90	COMP	: COMPOSIT/COMPONENT
37	VD4	MUD4	91	D1/J2, SLNP	: MODE CONTROL
38	VD5	MUD5	92	EXTF	: REF F
39	VD6	MUD6	93	EXTH	: REF H
40	VD7	MUD7	94	HDELAY0, HDELAY1	: JZ REF H TRS ADVANCE CONTROL
41	VD8	MUD8	95	INCH, TCL, TCNTO, TFCK, TFCNT, THCNT, XZLD	: TEST PIN
42	VD9	MUD9	96	INX ON/OFF, INX B0/B2, VIEFENA	: V. INX CONTROL
43	MD0	MD1	97	PARAENC	: SCRAMBLE NRZ CONVERT ON/OFF
44	TX	SEL	98	PIN	: PARITY
45	PARAENC	INCH	99	RE	: ROUND CONTROL
46	ANC0	ANC1	100	TRSMODE	: TRS 10-BIT/8-BIT SELECT
47	ANC2	ANC3	101	TX	: TEST PIN
48	ANC4	ANC5	102	VC10 - VC13	: 525/60 V BLANK CONTROL
49	ANC6	ANC7	103	VD0 - VD9	: VIDEO DATA
50	ANC8	ANC9	104	OUTPUT	
51	OC27	OC13	105	ANEH, ANEV	: PULSE
52	OC6	OC5	106	CM0 - CM9	: H. F COUNTER
53	PERROR1, PERROR2	POUT	107	MFP	: MULTIPLEX F COUNTER PULSE
54	SAVPNT	SAVPNT	108	MUD0 - MUD9	: VIDEO DATA
55	SYNC, SYNC2	SYNC, SYNC2	109	OC13	: 13.5 MHz CLOCK
56	TFO	TFO	110	OC27	: 27 MHz CLOCK
57	TVO	TVO	111	OC6	: 6.75 MHz CLOCK
58	F MONITOR	F MONITOR	112	PERROR1, PERROR2	: PARITY ERROR DETECT
59	V MONITOR	V MONITOR	113	PARITY	: PARITY
60			114	SAVPNT	: SAV PULSE
61			115	SYNC, SYNC2	: TIMING PULSE
62			116	TFO	: F MONITOR
63			117	TVO	: V MONITOR
64			118		
65			119		
66			120		
67			121		
68			122		
69			123		
70			124		
71			125		
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100			154		



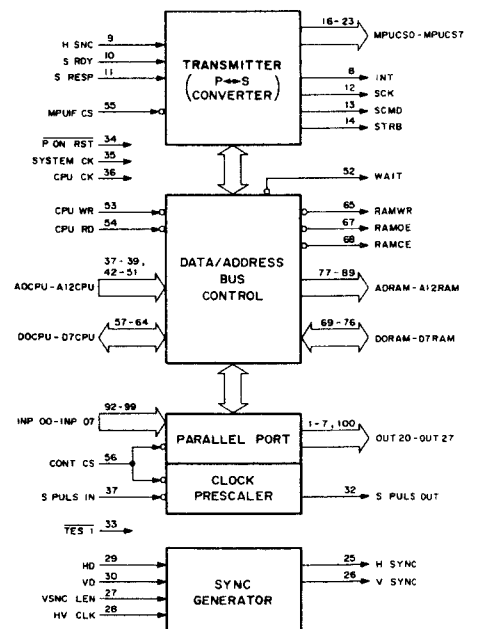
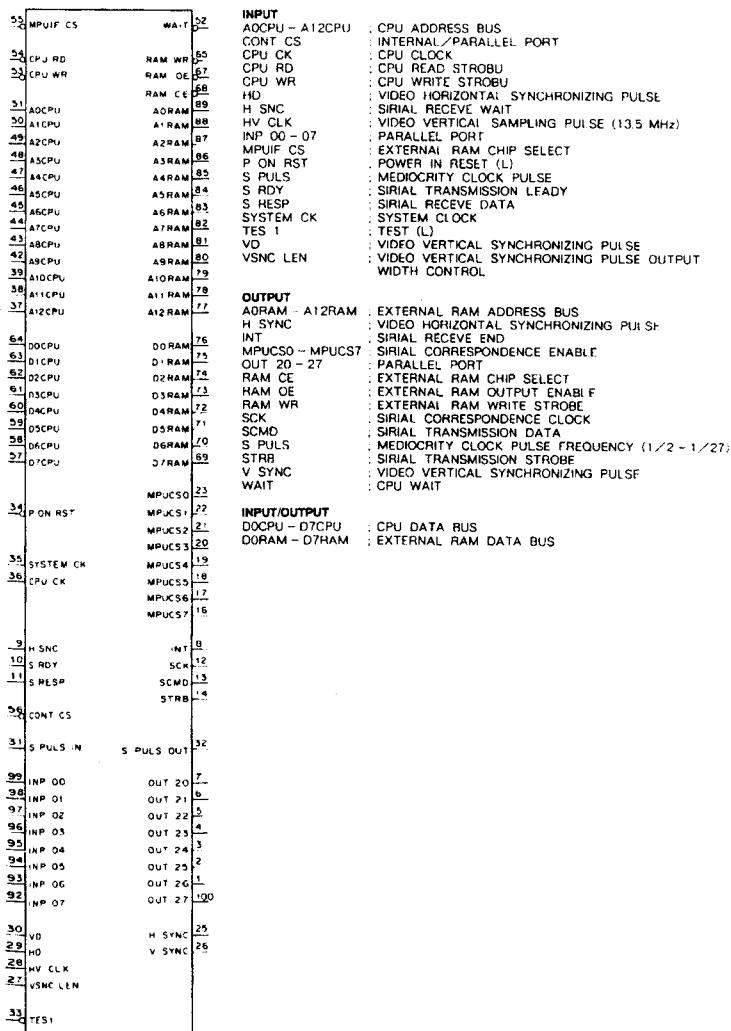
## CXD8804Q (SONY)

C-MOS 8-MPU COMMUNICATION CONTROLLER WITH PARALLEL PORT  
- TOP VIEW -



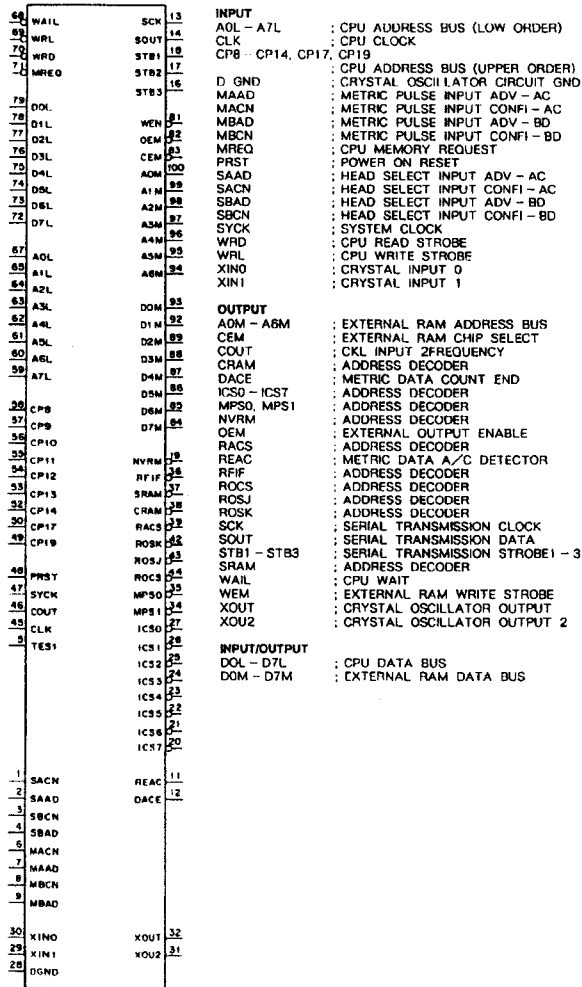
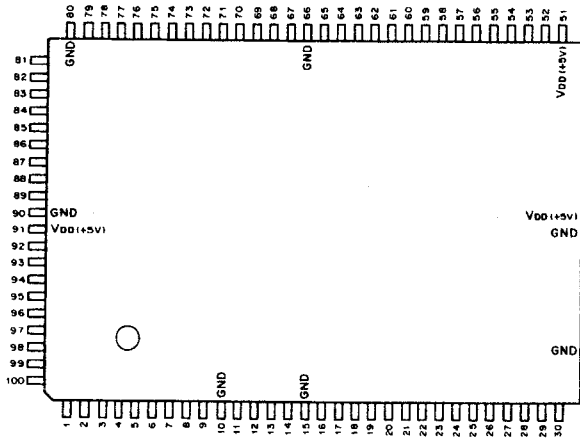
(VDD = +5 V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	OUT26	26	O	V SYNC	51	I	A0 CPU	76	I/O	D0 RAM
2	O	OUT25	27	I	VSNC LEN	52	O	WAIT	77	O	A12 RAM
3	O	OUT24	28	I	HV CLK	53	I	CPU WR	78	O	A11 RAM
4	O	OUT23	29	I	HD	54	I	CPU RD	79	O	A10 RAM
5	O	OUT22	30	I	VD	55	I	MPUIF CS	80	O	A9 RAM
6	O	OUT21	31	I	S PULS IN	56	I	CONT CS	81	O	A8 RAM
7	O	OUT20	32	O	S PULS OUT	57	I/O	D7 CPU	82	O	A7 RAM
8	O	INT	33	I	TEST	58	I/O	D6 CPU	83	O	A6 RAM
9	I	H SNC	34	I	P ON RST	59	I/O	D5 CPU	84	O	A5 RAM
10	I	S RDY	35	I	SYSTEM CK	60	I/O	D4 CPU	85	O	A4 RAM
11	I	S RESP	36	I	CPU CK	61	I/O	D3 CPU	86	O	A3 RAM
12	O	SCK	37	I	A12 CPU	62	I/O	D2 CPU	87	O	A2 RAM
13	O	SCMD	38	I	A11 CPU	63	I/O	D1 CPU	88	O	A1 RAM
14	O	STRB	39	I	A10 CPU	64	I/O	D0 CPU	89	O	A0 RAM
15	-	GND	40	-	GND	65	O	RAM WR	90	-	GND
16	O	MPUCS7	41	-	VDD	66	-	GND	91	-	VDD
17	O	MPUCS6	42	I	A9 CPU	67	O	RAM OE	92	I	INP 07
18	O	MPUCS5	43	I	A8 CPU	68	O	RAM CE	93	I	INP 06
19	O	MPUCS4	44	I	A7 CPU	69	I/O	D7 RAM	94	I	INP 05
20	O	MPUCS3	45	I	A6 CPU	70	I/O	D6 RAM	95	I	INP 04
21	O	MPUCS2	46	I	A5 CPU	71	I/O	D5 RAM	96	I	INP 03
22	O	MPUCS1	47	I	A4 CPU	72	I/O	D4 RAM	97	I	INP 02
23	O	MPUCS0	48	I	A3 CPU	73	I/O	D3 RAM	98	I	INP 01
24	-	N.C.	49	I	A2 CPU	74	I/O	D2 RAM	99	I	INP 00
25	O	H SYNC	50	I	A1 CPU	75	I/O	D1 RAM	100	O	OUT 27



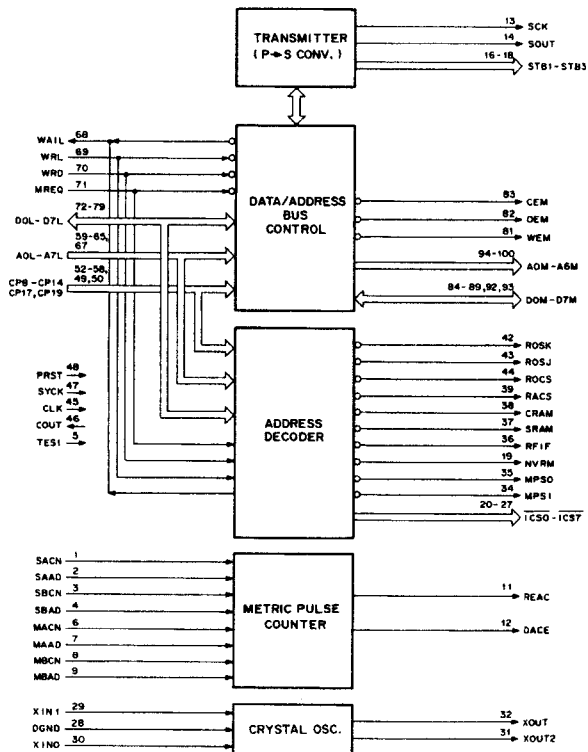
## CXD8805Q (SONY)

C-MOS RF BLOCK DIGITAL CONTROL INTERFACE  
- TOP VIEW -



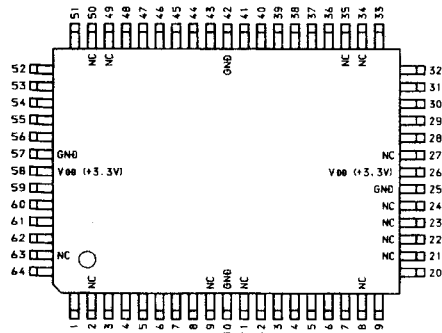
(V<sub>cc</sub> = +5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	SACN	26	O	IC51	51	-	V <sub>cc</sub>	76	I/O	D3L
2	I	SAAD	27	O	IC52	52	I	CP14	77	I/O	D2L
3	I	SBCN	28	O	D GND	53	I	CP13	78	I/O	D1L
4	I	SBAD	29	O	XIN1	54	I	CP12	79	I/O	D0L
5	I	TES1	30	I	XIN0	55	I	CP11	80	-	GND
6	I	MACN	31	O	XOU2	56	I	CP10	81	O	WEM
7	I	MAAD	32	O	XOUT	57	I	CP9	82	O	CEM
8	I	MBCN	33	-	GND	58	I	CP8	83	O	CEM
9	I	MBAD	34	O	MPS1	59	I	A7L	84	I/O	D7M
10	-	GND	35	O	MPS0	60	I	A6L	85	I/O	D6M
11	O	REAC	36	O	RFIF	61	I	A5L	86	I/O	D5M
12	O	DACE	37	O	SRAM	62	I	A4L	87	I/O	D4M
13	O	SCK	38	O	CRAM	63	I	A3L	88	I/O	D3M
14	O	SOUT	39	O	RACS	64	I	A2L	89	I/O	D2M
15	-	GND	40	-	GND	65	I	A1L	90	-	GND
16	O	STB3	41	-	V <sub>cc</sub>	66	-	GND	91	-	V <sub>cc</sub>
17	O	STB2	42	O	ROSK	67	I	A0L	92	I/O	D1M
18	O	STB1	43	O	ROSL	68	O	WAIL	93	I/O	DOM
19	O	NVRM	44	O	ROCS	69	I	WRL	94	O	A6M
20	O	ICS7	45	I	CLK	70	I	WRD	95	O	A5M
21	O	ICS6	46	O	C OUT	71	I	MREQ	96	O	A4M
22	O	ICS5	47	I	SYCK	72	I/O	D7L	97	O	A3M
23	O	ICS4	48	I	PRST	73	I/O	D6L	98	O	A2M
24	O	ICS3	49	I	CP19	74	I/O	D5L	99	O	A1M
25	O	ICS2	50	I	CP17	75	I/O	D4L	100	O	A0M



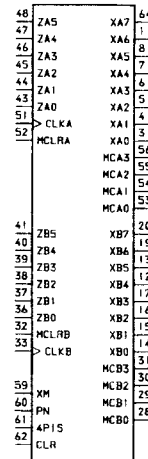
## CXD8815Q (SONY)

C-MOS VITERBI DECODER  
- TOP VIEW -



(VDD = +5.3V)

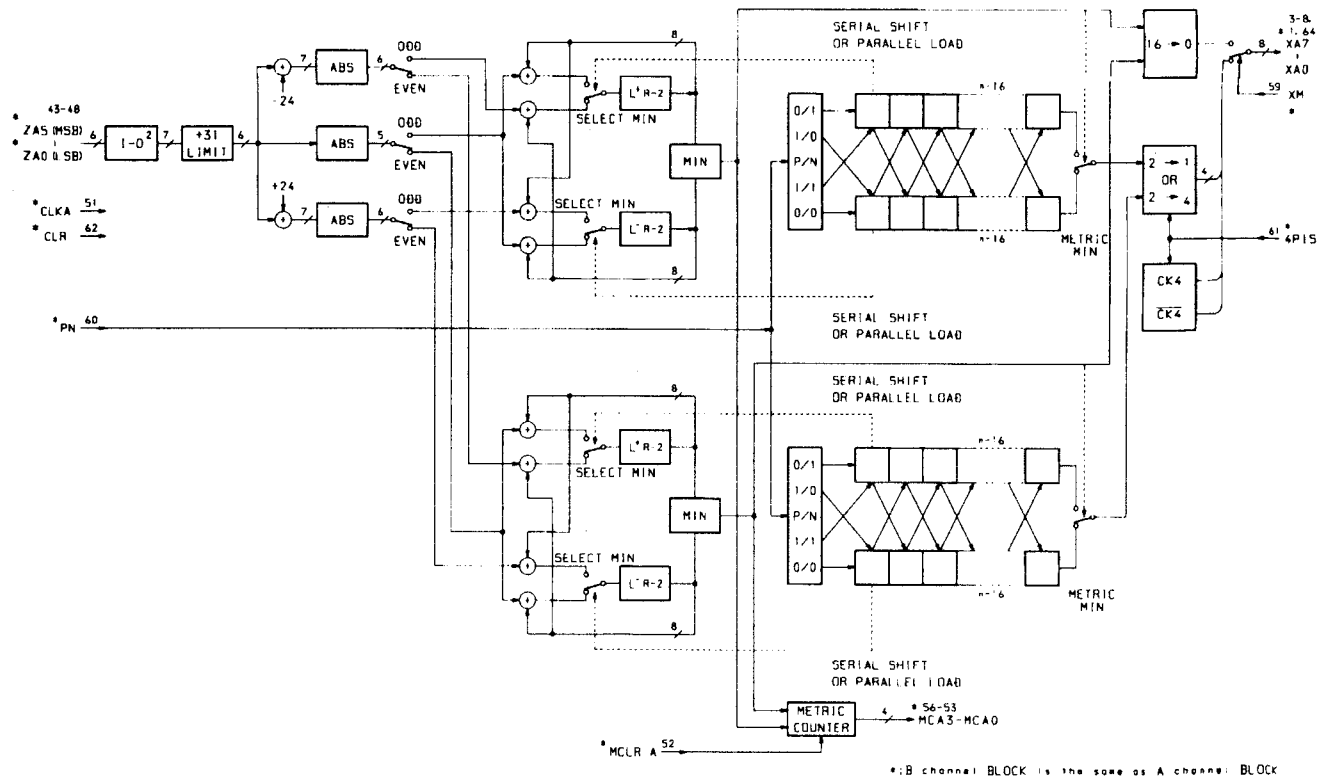
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	OUT	XA6	17	OUT	XB5	33	IN	CLKB	49	-	NC
2	-	NC	18	-	NC	34	-	NC	50	-	NC
3	OUT	XA0	19	OUT	XB6	35	-	NC	51	IN	CLKA
4	OUT	XA1	20	OUT	XB7	36	IN	ZB0	52	IN	MCLRA
5	OUT	XA2	21	-	NC	37	IN	ZB1	53	OUT	MCA0
6	OUT	XA3	22	-	NC	38	IN	ZB2	54	OUT	MCA1
7	OUT	XA4	23	-	NC	39	IN	ZB3	55	OUT	MCA2
8	OUT	XA5	24	-	NC	40	IN	ZB4	56	OUT	MCA3
9	-	NC	25	-	GND	41	IN	ZB5	57	-	GND
10	-	GND	26	-	VDD	42	-	GND	58	-	VDD
11	-	NC	27	-	NC	43	IN	ZA0	59	IN	XM
12	OUT	XB4	28	OUT	MCB0	44	IN	ZA1	60	IN	PN
13	OUT	XB5	29	OUT	MCB1	45	IN	ZA2	61	IN	4PIS
14	OUT	XB0	30	OUT	MCB2	46	IN	ZA3	62	IN	CLR
15	OUT	XB1	31	OUT	MCB3	47	IN	ZA4	63	-	NC
16	OUT	XB2	32	IN	MCLRB	48	IN	ZA5	64	OUT	XA7



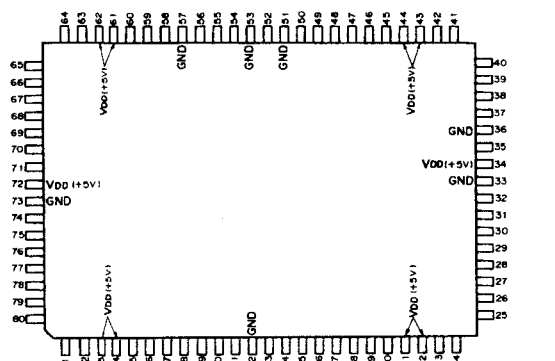
CHANNEL A  
CLKA : CLOCK OF CHANNEL A  
MCA0-3 : 4 BIT METRIC COUNTER OF CHANNEL A  
MCLRA : METRIC COUNTER CLEAR OF CHANNEL A  
XA0-7 : 8 BIT CHANNEL A OUT  
ZA0-5 : 6 BIT CHANNEL A IN

CHANNEL B  
CLKB : CLOCK OF CHANNEL B  
MCB0-3 : 4 BIT METRIC COUNTER OF CHANNEL B  
MCLRB : METRIC COUNTER CLEAR OF CHANNEL B  
XB0-7 : 8 BIT CHANNEL B OUT  
ZB0-5 : 6 BIT CHANNEL B IN

OTHERS  
CLR : ALL CLEAR  
PN : SELECTOR OF PR (1, 0, -1) & NRZ  
XM : SELECTOR OF DECODE & METRIC OUT  
4PIS : SELECTOR OF 4 PARALLEL & SERIAL DATA

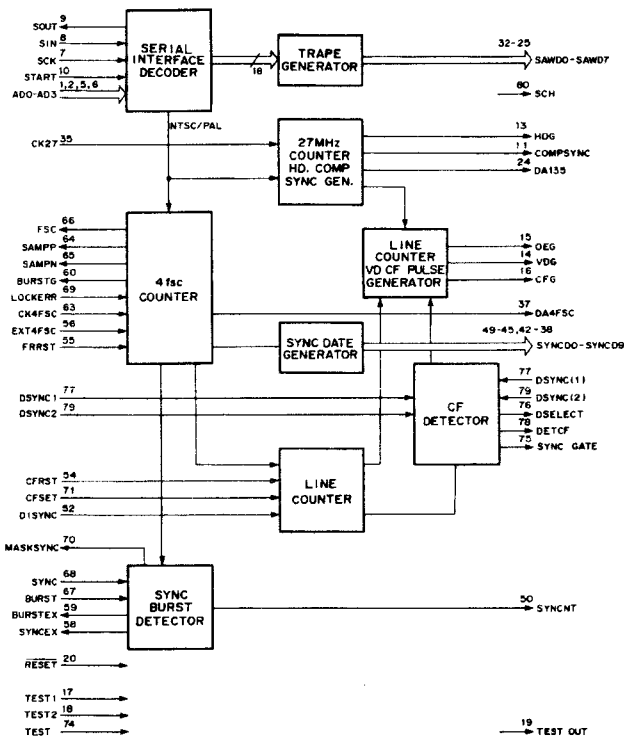


## CXD8817Q (SONY)

C-MOS VIDEO TIMING SIGNAL GENERATOR  
- TOP VIEW -

(VDD = +5 V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	AD0	21	-	VDD	41	O	SYNCD6	61	-	VDD
2	I	AD1	22	-	VDD	42	O	SYNCD5	62	-	VDD
3	-	VDD	23	-	VDD	43	-	VDD	63	I	CK4FSC
4	-	VDD	24	O	DA135	44	-	VDD	64	O	SAMPP
5	I	AD2	25	O	SAWD7	45	O	SYNCD4	65	O	SAMPN
6	I	AD3	26	O	SAWD6	46	O	SYNCD3	66	O	FSC
7	I	SCK	27	O	SAWD5	47	O	SYNCD2	67	I	BURST
8	I	SIN	28	O	SAWD4	48	O	SYNCD1	68	I	SYNC
9	O	SOUT	29	O	SAWD3	49	O	SYNCD0	69	I	LOCKERR
10	I	START	30	O	SAWD2	50	O	SYNCD0	70	O	MASKSYNC
11	O	COMPSYNC	31	O	SAWD1	51	-	GND	71	I	CFSET
12	-	GND	32	O	SAWD0	52	I	DISYNC	72	-	VDD
13	O	HDG	33	-	GND	53	-	GND	73	-	GND
14	O	VDG	34	-	VDD	54	I	CFRST	74	I	TEST
15	O	OEG	35	I	CK27	55	I	FRST	75	O	SYNCGATE
16	O	CFG	36	-	GND	56	I	EXT4FSC	76	O	DSELECT
17	I	TEST1	37	O	DA4FSC	57	-	GND	77	I	DSYNC1
18	I	TEST2	38	O	SYNCD9	58	O	SYNCEX	78	O	DETCF
19	O	TESTOUT	39	O	SYNCD8	59	O	BURSTEX	79	I	DSYNC2
20	I	RESET	40	O	SYNCD7	60	O	BURSTG	80	O	SCH

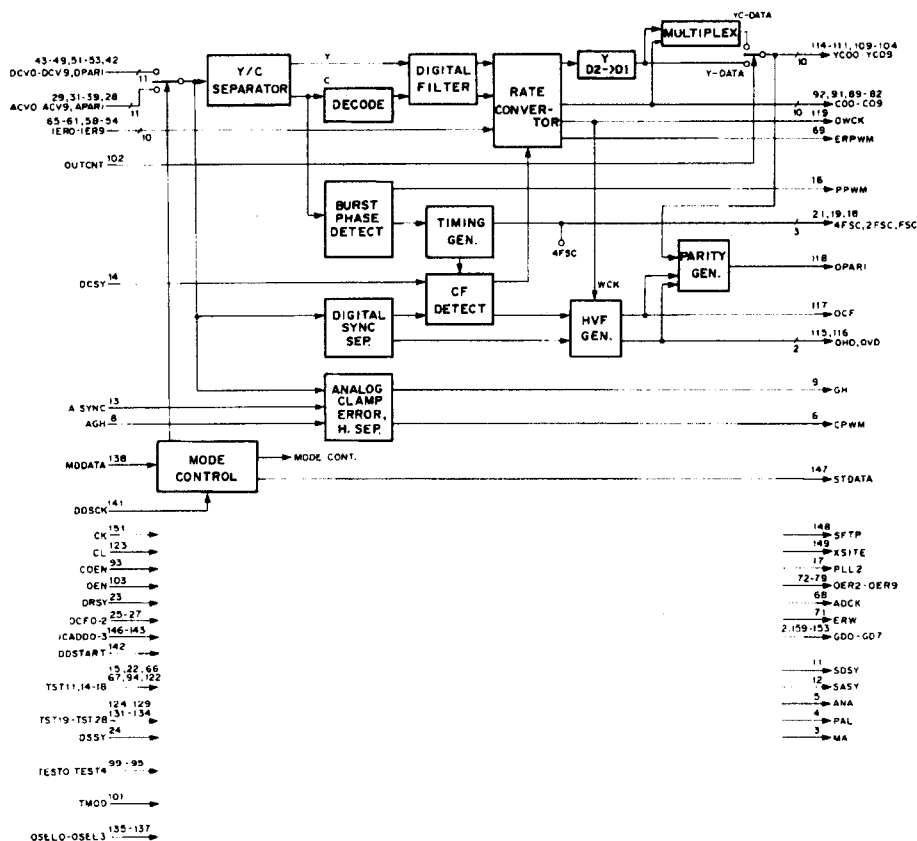


PIN	NAME	FUNCTION	PIN	NAME	FUNCTION
6	SIN	Serial Data Input	2	SOUT	Serial Data Output
7	SCK	Serial Clock	56	ISc	Reference Burst Input
10	START	Serial Start Pulse	55	SAMPN	Burst Sample (-) for NTSC
1	AD0	Serial Preset Address	54	SAMPP	Burst Sample (+) for PAL
2	AD1	Serial Preset Address	60	BURSTG	Burst Exist: H
3	AD2	Serial Preset Address	39	BURSTEX	Burst Exist: H
4	AD3	Serial Preset Address	38	SYNCD9	4FSC Sync Data (0-9)
59	LOCKERR	4FSC PLL Lock Error	37	DA4FSC	13.5 MHz Clock
63	CK4FSC	4FSC Clock	36	SAWD0	27 MHz Saw-Tooth Data (0-7)
36	EXT4FSC	External 4FSC Clock	35	SAWD1	27 MHz Saw-Tooth Data (0-7)
30	FRST	Frame Reset for D2 Lock	34	SAWD2	27 MHz Saw-Tooth Data (0-7)
66	SYNC	Reference Sync Input	33	SAWD3	27 MHz Saw-Tooth Data (0-7)
67	BURST	Reference Sync Input	32	SAWD4	27 MHz Saw-Tooth Data (0-7)
35	CK27	27 MHz Clock	31	SAWD5	27 MHz Saw-Tooth Data (0-7)
77	DSYNC(1)	Delayed Sync for CF Det	30	SAWD6	27 MHz Saw-Tooth Data (0-7)
79	DSYNC(2)	Delayed Sync for CF Det	29	SAWD7	27 MHz Saw-Tooth Data (0-7)
54	CFRST	CF Reset for D2 Lock	28	SAWD8	27 MHz Saw-Tooth Data (0-7)
71	CFSET	External CF Pulse Input	27	SAWD9	27 MHz Saw-Tooth Data (0-7)
52	D1 SYNC	D1 Sync for D1 Lock	26	SAWD0	27 MHz Saw-Tooth Data (0-7)
20	RESET	Power On Reset	25	SAWD1	27 MHz Saw-Tooth Data (0-7)
17	TEST1	Test Pin	24	SAWD2	27 MHz Saw-Tooth Data (0-7)
18	TEST2	Test Pin	23	SAWD3	27 MHz Saw-Tooth Data (0-7)
19	TEST OUT	Test Pin	22	SAWD4	27 MHz Saw-Tooth Data (0-7)
			21	SAWD5	27 MHz Saw-Tooth Data (0-7)
			20	SAWD6	27 MHz Saw-Tooth Data (0-7)
			19	SAWD7	27 MHz Saw-Tooth Data (0-7)
			18	SAWD8	27 MHz Saw-Tooth Data (0-7)
			17	SAWD9	27 MHz Saw-Tooth Data (0-7)
			16	SAWD0	27 MHz Saw-Tooth Data (0-7)
			15	SAWD1	27 MHz Saw-Tooth Data (0-7)
			14	SAWD2	27 MHz Saw-Tooth Data (0-7)
			13	SAWD3	27 MHz Saw-Tooth Data (0-7)
			12	SAWD4	27 MHz Saw-Tooth Data (0-7)
			11	SAWD5	27 MHz Saw-Tooth Data (0-7)
			10	SAWD6	27 MHz Saw-Tooth Data (0-7)
			9	SAWD7	27 MHz Saw-Tooth Data (0-7)
			8	SAWD8	27 MHz Saw-Tooth Data (0-7)
			7	SAWD9	27 MHz Saw-Tooth Data (0-7)
			6	SAWD0	27 MHz Saw-Tooth Data (0-7)
			5	SAWD1	27 MHz Saw-Tooth Data (0-7)
			4	SAWD2	27 MHz Saw-Tooth Data (0-7)
			3	SAWD3	27 MHz Saw-Tooth Data (0-7)
			2	SAWD4	27 MHz Saw-Tooth Data (0-7)
			1	SAWD5	27 MHz Saw-Tooth Data (0-7)

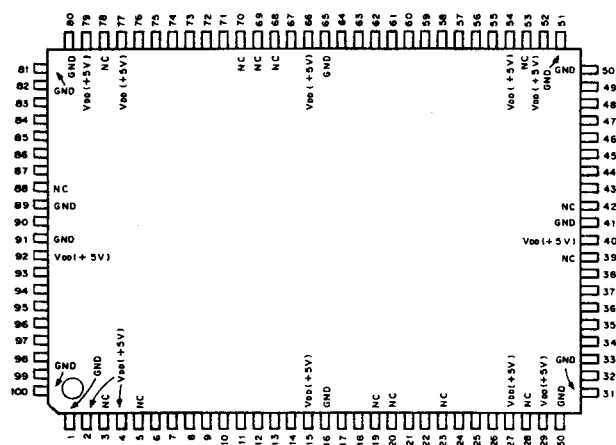




INPUT	
ACV0 - ACV9	: ANALOG INPUT DATA (0 - 9)
AGH	: ANALOG GATED H
APARI	: PARITY OF ANALOG INPUT DATA
ASYN	: ANALOG COMPOSITE SYNC
CK	: INPUT 8fsc CK
CL	: POWER ON RESET
COEN	: CHROMA OUTPUT ENABLE
DCF0 - DCF2	: D2 INPUT CF (0 - 2)
DCSY	: DELAYED COMPOSITE SYNC
DCV0 - DCV9	: DIGITAL INPUT DATA (0 - 9)
DDSC	: CK FOR SERIAL MODE DATA
DDSTART	: START PULSE OF SERIAL COMMUNICATION
DPARI	: PARITY OF DIGITAL INPUT DATA
DRSY	: DIGITAL DELAYED SYNC (8fsc x 8N)
DSSY	: DIGITAL DELAYED SYNC (8fsc x 8N)
ICADD0 - ICADD3	: IC ADDRESS (0 - 3)
IER0 - IER9	: NON STANDARD PLL ERROR INPUT (0 - 9)
MODATA	: SERIAL MODE DATA FROM CPU
OEN	: Y (Y/C) OUTPUT ENABLE
OSEL0 - OSEL3	: TEST (0 - 3)
OUTCNT	: OUTPUT CONTROL : Y/YC MULTIPLEX
TEST0 - TEST4	: TEST (0 - 4)
TMOD	: TEST MODE
TST11	: TEST 11
TST14 - TST28	: TEST (14 - 28)
OUTPUT	
ADCK	: NON STANDARD PLL ERROR SAMPLING CK
ANA	: ANALOG/DIGITAL
CK2FSC	: INTERNAL 2fsc CK
CK4FSC	: INTERNAL 4fsc CK
CO0 - CO9	: CHROMA OUT (0 - 9)
CPWM	: CLAMP ERROR PWM
ERPWM	: NON STANDARD PLL ERROR SAMPLING PWM
ERW	: NON STANDARD PLL ERROR WIDTH
FSC	: INTERNAL fsc CK
GD0 - GD7	: GAIN DATA (0 - 7)
GH	: GATED H
MA	: MANUAL/AUTO (AGC MODE)
OCF	: CF INFORMATION
OER2 - OER9	: NON STANDARD PLL ERROR OUTPUT (2 - 9)
OHD	: HD
OPARI	: PARITY OF OUTPUT DATA
OVD	: VD
OWCK	: PSEUDO 13.5 MHz/27 MHz
PAL	: PAL/NTSC
PLL2	: DIGITAL PLL FOR 2fsc CK
PPWM	: SAMPLING CK PLL ERROR PWM
SASY	: ANALOG SYNC
SDSY	: DIGITAL SYNC
SFTP	: DIRECTION FOR SCH 0*
STDATA	: SERIAL OUTPUT DATA TO CPU
XSITE	: COMPONENT/COMPOSITE
YC00 - YC09	: Y (Y/C) OUTPUT (0 - 9)

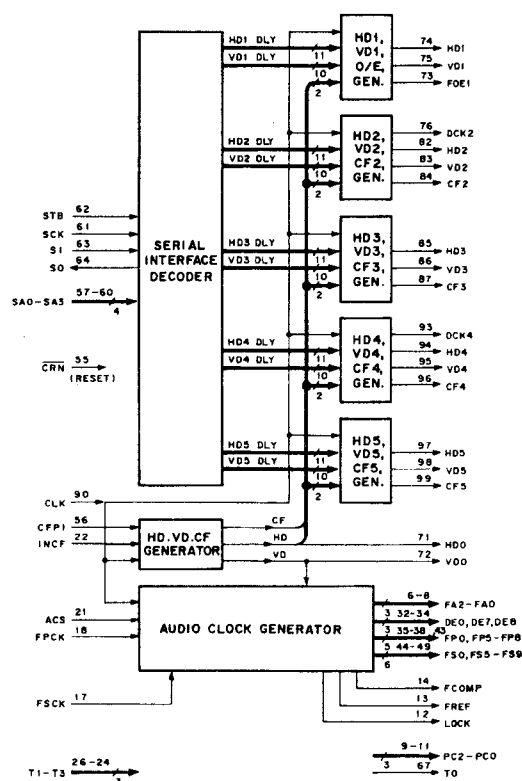
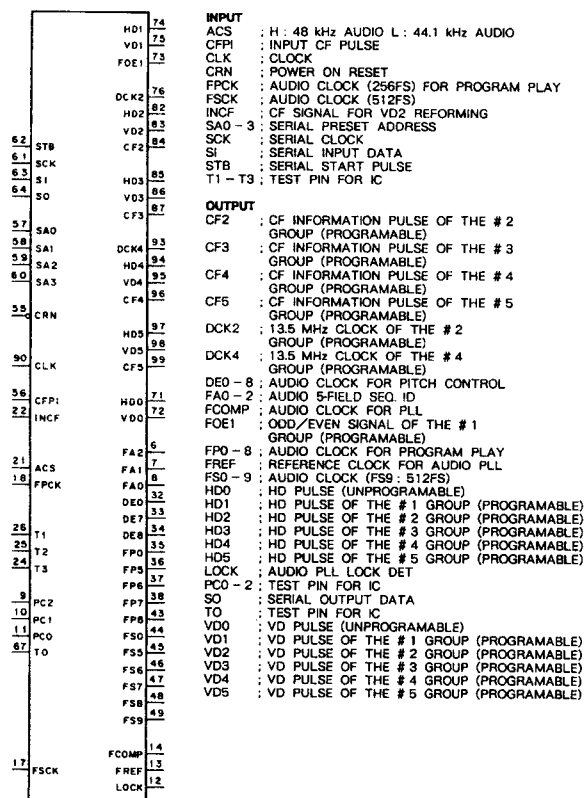


## CXD8821Q (SONY)

C-MOS AUDIO TIMING GENERATOR  
— TOP VIEW —

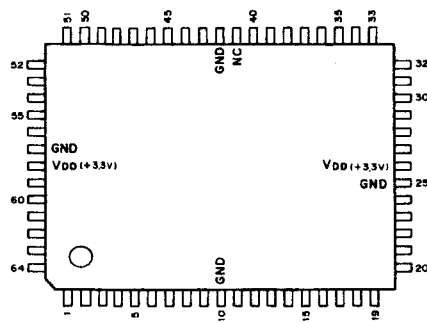
(V<sub>DD</sub> = +5 V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	GND	26	I	T1	51	—	GND	76	O	DCK2
2	—	V <sub>DD</sub>	27	—	V <sub>DD</sub>	52	—	V <sub>DD</sub>	77	—	V <sub>DD</sub>
3	—	NC	28	—	NC	53	—	NC	78	—	NC
4	—	V <sub>DD</sub>	29	—	V <sub>DD</sub>	54	—	V <sub>DD</sub>	79	—	V <sub>DD</sub>
5	—	NC	30	—	GND	55	I	CRN	80	—	GND
6	O	FA2	31	—	GND	56	I	CFPI	81	—	GND
7	O	FA1	32	O	DE0	57	I	SA0	82	O	HD2
8	O	FA0	33	O	DE7	58	I	SA1	83	O	VD2
9	O	PC2	34	O	DE8	59	I	SA2	84	O	CF2
10	O	PC1	35	O	FP0	60	I	SA3	85	O	HD3
11	O	PC0	36	O	FP6	61	I	SCK	86	O	VD3
12	O	LOCK	37	O	FP6	62	I	STB	87	O	CF3
13	O	FREF	38	O	FP7	63	I	SI	88	—	NC
14	O	FCOMP	39	—	NC	64	O	SO	89	—	GND
15	—	V <sub>DD</sub>	40	—	V <sub>DD</sub>	65	—	GND	90	I	CLK
16	—	GND	41	—	GND	66	—	V <sub>DD</sub>	91	—	GND
17	I	FSCK	42	—	NC	67	O	TO	92	—	V <sub>DD</sub>
18	I	FPCK	43	O	FP8	68	—	NC	93	O	DCK4
19	—	NC	44	O	FS0	69	—	NC	94	O	HD4
20	—	NC	45	O	FS5	70	—	NC	95	O	VD4
21	I	ACS	46	O	FS6	71	O	HD0	96	O	CF4
22	I	INCF	47	O	FS7	72	O	VD0	97	O	HD5
23	—	NC	48	O	FS8	73	O	FOE1	98	O	VD5
24	I	T3	49	O	FS9	74	O	HD1	99	O	CF5
25	I	T2	50	—	GND	75	O	VD1	100	—	GND



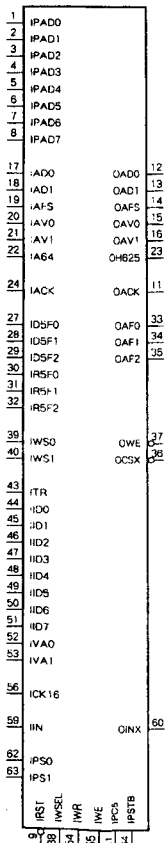
## CXD8854Q (SONY)

C-MOS AUXILIARY CIRCUIT FOR BIT REDUCTION ENCODER AND ERROR  
CORRECTION CODER  
- TOP VIEW -



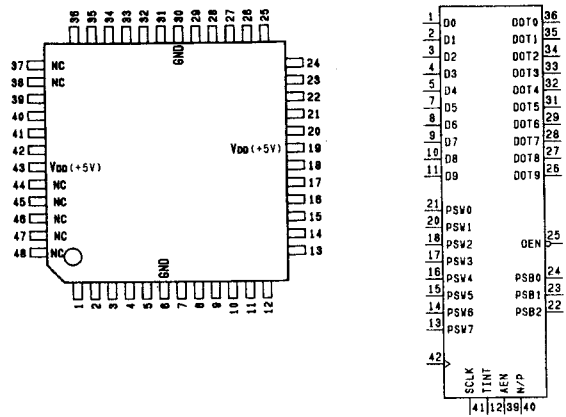
(VDD = +3.3V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	IPAD0	17	I	IAD0	33	O	OAF0	49	I	IID5
2	I	IPAD1	18	I	IAD1	34	O	OAF1	50	I	IID6
3	I	IPAD2	19	I	IAFS	35	O	OAF2	51	I	IID7
4	I	IPAD3	20	I	IAV0	36	O	OCSX	52	I	IVA0
5	I	IPAD4	21	I	IAV1	37	O	OWE	53	I	IVA1
6	I	IPAD5	22	I	IA64	38	I	IWSEL	54	I	IWR
7	I	IPAD6	23	O	OH625	39	I	IWS0	55	I	IWE
8	I	IPAD7	24	I	IACK	40	I	IWS1	56	I	ICK16
9	I	IRST	25	-	GND	41	-	NC	57	-	GND
10	-	GND	26	-	VDD	42	-	GND	58	-	VDD
11	O	OACK	27	I	IDSF0	43	I	ITR	59	I	IIN
12	O	OAD0	28	I	IDSF1	44	I	IID0	60	O	OINX
13	O	OAD1	29	I	IDSF2	45	I	IID1	61	I	IPC5
14	O	OAFS	30	I	IRSF0	46	I	IID2	62	I	IPS0
15	O	OAV0	31	I	IRSF1	47	I	IID3	63	I	IPS1
16	O	OAV1	32	I	IRSF2	48	I	IID4	64	I	IPSTB



## CXK1203AR (SONY) FLAT PACKAGE

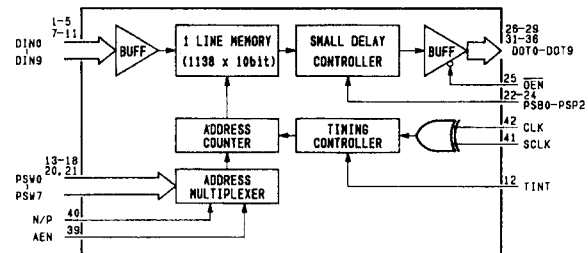
C-MOS DIGITAL LINE MEMORY  
- TOP VIEW -



(VDD = +5V)

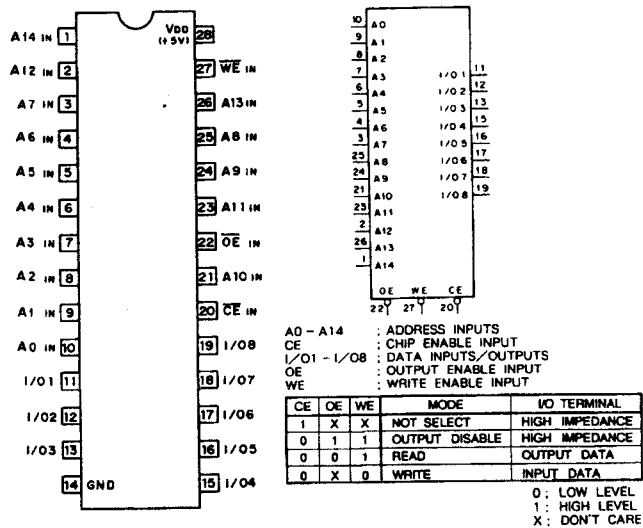
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	D0	13	I	PSW7	25	I	OEN	37	-	N/C
2	I	D1	14	I	PSW6	26	O	DOT9	38	-	N/C
3	I	D2	15	I	PSW5	27	O	DOT8	39	I	AEN
4	I	D3	16	I	PSW4	28	O	DOT7	40	I	N/P
5	I	D4	17	I	PSW3	29	O	DOT6	41	I	SCLK
6	-	GND	18	I	PSW2	30	-	GND	42	I	CLK
7	I	D5	19	-	VDD	31	O	DOT5	43	-	VDD
8	I	D6	20	I	PSW1	32	O	DOT4	44	-	N/C
9	I	D7	21	I	PSW0	33	O	DOT3	45	-	N/C
10	I	D8	22	I	PSB2	34	O	DOT2	46	-	N/C
11	I	D9	23	I	PSB1	35	O	DOT1	47	-	N/C
12	I	TINT	24	I	PSB0	36	O	DOT0	48	-	N/C

AEN : LINE MEMORY SELECT  
CLK : CLOCK  
DIN0-DIN9 : VIDEO DATA INPUT  
DOT0-DOT9 : VIDEO DATA OUTPUT  
N/P : NTSC/PAL/SECAM SELECT  
OEN : OUTPUT ENABLE  
PSB0-PSB2 : DELAY STEP SELECT(1 BITxN)  
PSW0-PSW7 : DELAY STEP SELECT(8 BITxN)  
SCLK : CLOCK EDGE SELECT  
TINT : TEST



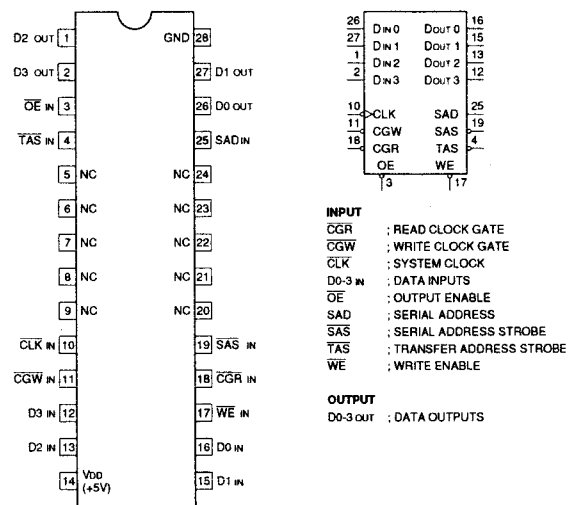
## CXK58257AM-10L (SONY) FLAT PACKAGE

C-MOS 32768-WORD × 8-BIT STATIC RAM  
— TOP VIEW —



## HM53051FP-60 (HITACHI)

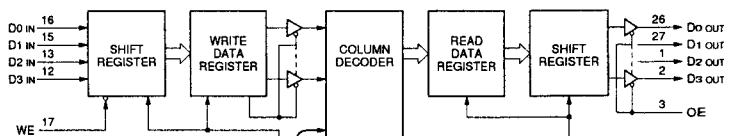
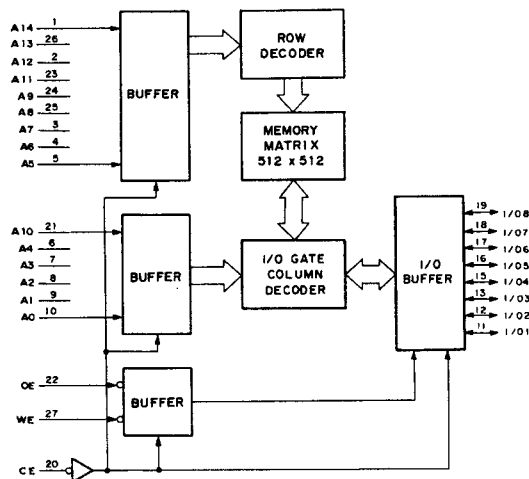
C-MOS 1M (262,144WORD × 4) -BIT FRAME MEMORY  
— TOP VIEW —



The System mode is selected by LSB-bits OF SAD. (MF, WF, RF, AWO, ARO)

MF	WF	RF	AWO	ARO	MODE
0	0	0	X	X	READ/WRITE ADDRESS TRANSFER ASYNCHRONOUS
0	0	1	X	X	WRITE ADDRESS TRANSFER ASYNCHRONOUS
0	1	0	X	X	READ ADDRESS TRANSFER ASYNCHRONOUS
0	1	1	X	X	
1	0	0	X	X	READ/WRITE ADDRESS TRANSFER SYNCHRONOUS
1	0	1	X	X	WRITE ADDRESS TRANSFER SYNCHRONOUS
1	1	0	X	X	READ ADDRESS TRANSFER SYNCHRONOUS
1	1	1	1	1	SYSTEM RESET
1	1	1	1	0	PROHIBITION
1	1	1	0	1	
1	1	1	1	0	

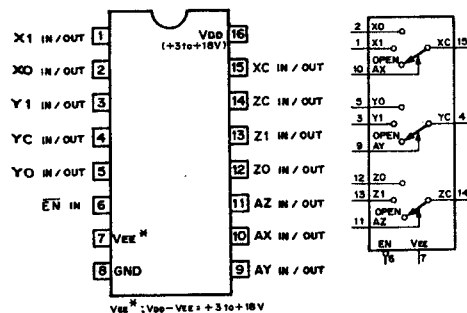
MF : MODE FLAG      AWO(0-12) : WRITE ADDRESS      0 : LOW LEVEL  
WF : WRITE FLAG      AR(0-12) : READ ADDRESS      1 : HIGH LEVEL  
RF : READ FLAG                               X : DON'T CARE



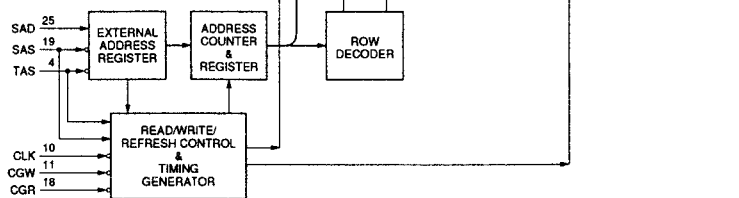
## HD14053BFP (HITACHI) FLAT PACKAGE

## TC4053BFS (TOSHIBA) FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS  
— TOP VIEW —

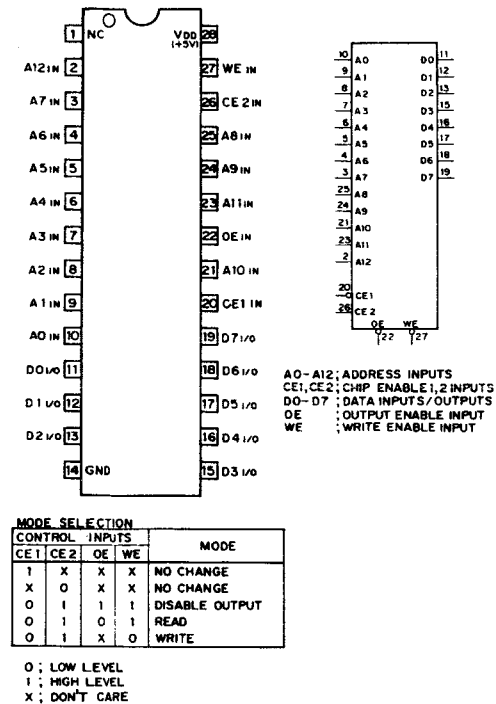


CONT. INPUTS	ON CHANNEL
EN	A (X,Y,Z)
0	0
0	1
1	X



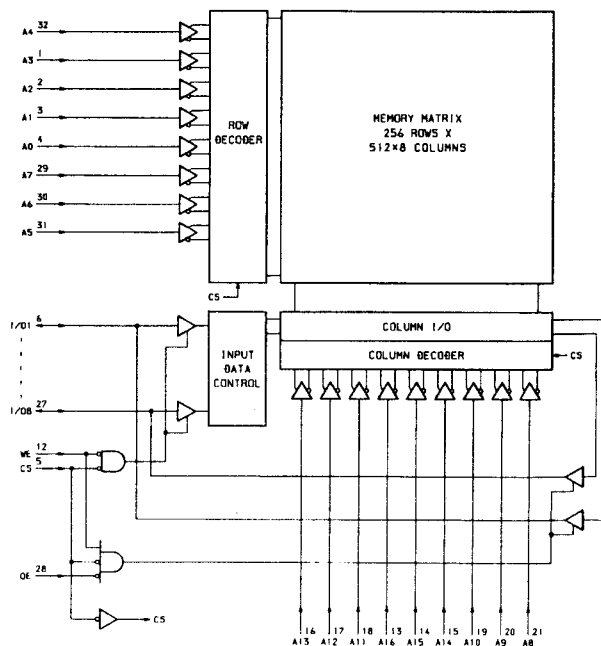
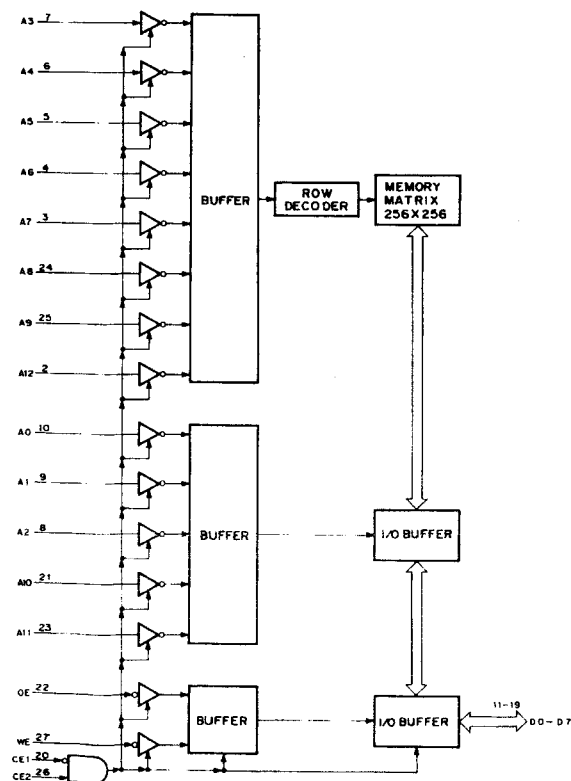
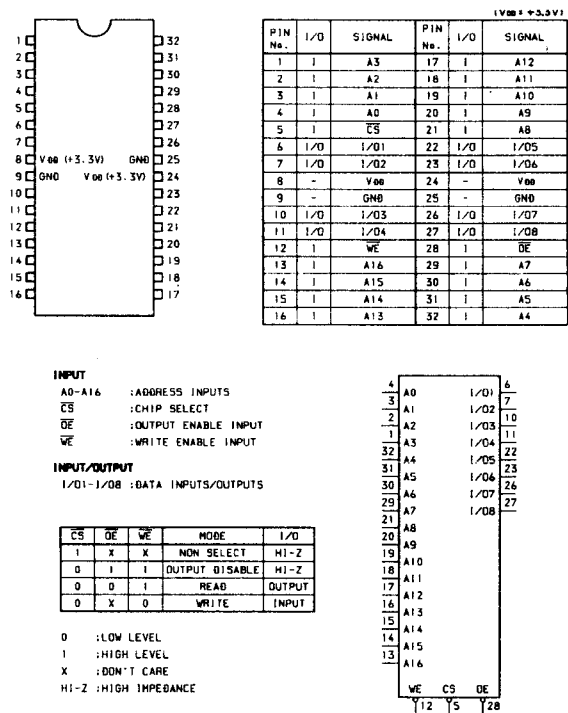
## HM6264ALFP-12 (HITACHI) FLAT PACKAGE

C-MOS 64K (8192 × 8) -BIT STATIC RAM  
- TOP VIEW -

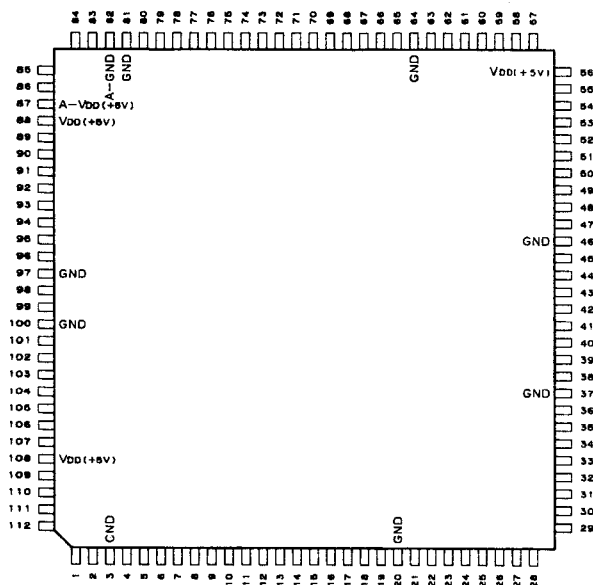


HM62W8127HJP-27 (HITACHI) PLCC  
HM62W8127HJP-35 (HITACHI) PLCC

C-MOS 1M (131k × 8) -BIT STATIC RAM  
- TOP VIEW -



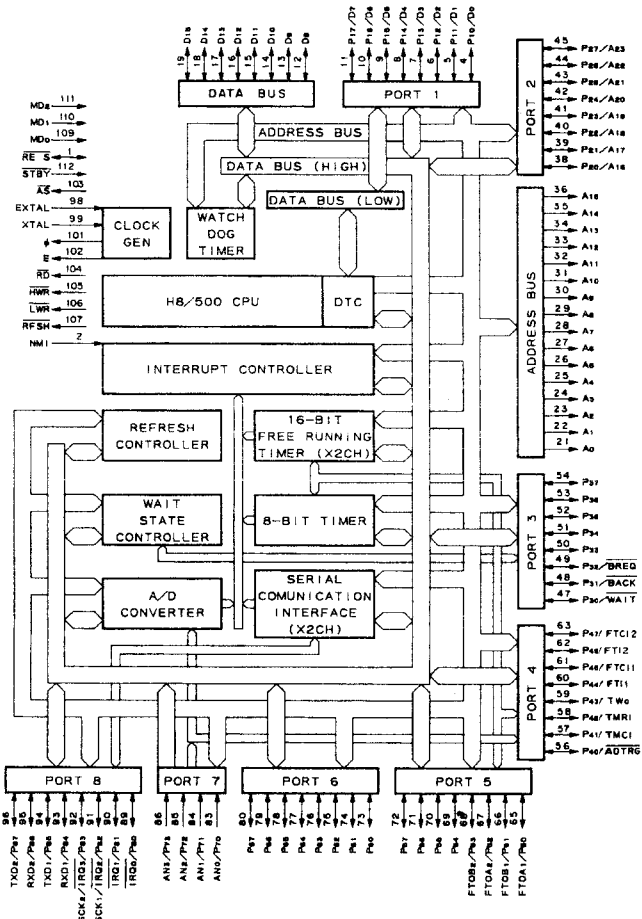
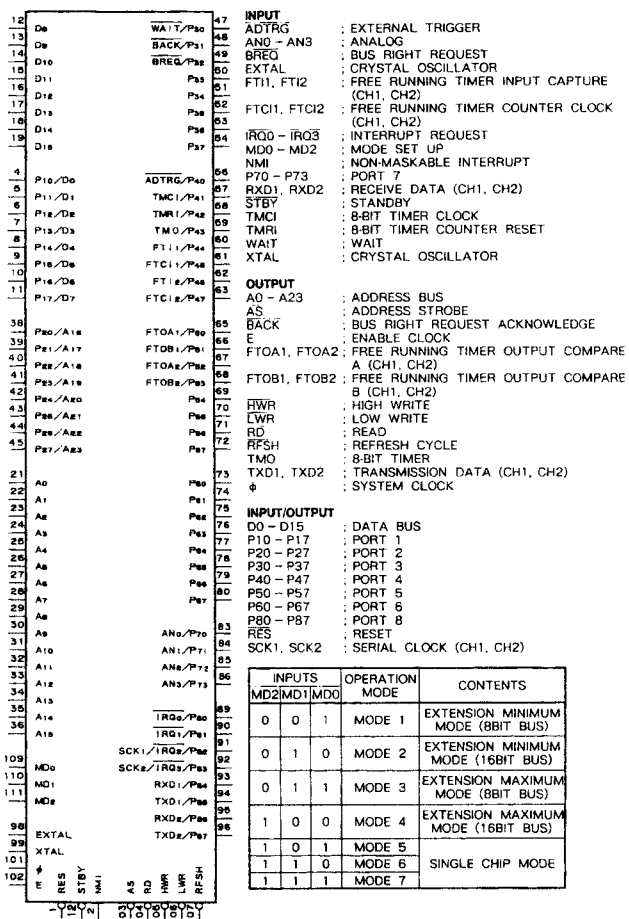
## HD6415108RF10 (HITACHI)

C-MOS 16-BIT MICROCOMPUTER UNIT  
- TOP VIEW -

PIN No.	EXPANSION MINIMUM MODE		EXPANSION MAXIMUM MODE	
	MODE 1	MODE 2	MODE 3	MODE 4
1	I/O	SIGNAL	I/O	SIGNAL
2	I	NMI	I	NMI
3	-	GND	-	GND
4	I/O	P10	I/O	P10
5	I/O	P11	I/O	P11
6	I/O	P12	I/O	P12
7	I/O	P13	I/O	P13
8	I/O	P14	I/O	P14
9	I/O	P15	I/O	P15
10	I/O	P16	I/O	P16
11	I/O	P17	I/O	P17
12	I/O	D8	I/O	D8
13	I/O	D9	I/O	D9
14	I/O	D10	I/O	D10
15	I/O	D11	I/O	D11
16	I/O	D12	I/O	D12
17	I/O	D13	I/O	D13
18	I/O	D14	I/O	D14
19	I/O	D15	I/O	D15
20	-	GND	-	GND
21	O	A0	O	A0
22	O	A1	O	A1
23	O	A2	O	A2
24	O	A3	O	A3
25	O	A4	O	A4
26	O	A5	O	A5
27	O	A6	O	A6
28	O	A7	O	A7
29	O	A8	O	A8
30	O	A9	O	A9
31	O	A10	O	A10
32	O	A11	O	A11
33	O	A12	O	A12
34	O	A13	O	A13
35	O	A14	O	A14
36	O	A15	O	A15
37	-	GND	-	GND
38	I/O	P20	I/O	P20
39	I/O	P21	I/O	P21
40	I/O	P22	I/O	P22

PIN No.	EXPANSION MINIMUM MODE		EXPANSION MAXIMUM MODE	
	MODE 1	MODE 2	MODE 3	MODE 4
41	I/O	P23	I/O	P23
42	I/O	P24	I/O	P24
43	I/O	P25	I/O	P25
44	I/O	P26	I/O	P26
45	I/O	P27	I/O	P27
46	-	GND	-	GND
47	I/O	P30/WAIT	I/O	P30/WAIT
48	I/O	P31/BACK	I/O	P31/BACK
49	I/O	P32/BREQ	I/O	P32/BREQ
50	I/O	P33	I/O	P33
51	I/O	P34	I/O	P34
52	I/O	P35	I/O	P35
53	I/O	P36	I/O	P36
54	I/O	P37	I/O	P37
55	-	V <sub>DD</sub>	-	V <sub>DD</sub>
56	I/O	P40/ADTRG	I/O	P40/ADTRG
57	I/O	P41/TMCI	I/O	P41/TMCI
58	I/O	P42/TMRI	I/O	P42/TMRI
59	I/O	P43/TMO	I/O	P43/TMO
60	I/O	P44/FTI1	I/O	P44/FTI1
61	I/O	P45/FTCI1	I/O	P45/FTCI1
62	I/O	P46/FTI2	I/O	P46/FTI2
63	I/O	P47/FTCI2	I/O	P47/FTCI2
64	-	GND	-	GND
65	I/O	P50/FTOA1	I/O	P50/FTOA1
66	I/O	P51/FTOB1	I/O	P51/FTOB1
67	I/O	P52/FTOA2	I/O	P52/FTOA2
68	I/O	P53/FTOB2	I/O	P53/FTOB2
69	I/O	P54	I/O	P54
70	I/O	P55	I/O	P55
71	I/O	P56	I/O	P56
72	I/O	P57	I/O	P57
73	I/O	P60	I/O	P60
74	I/O	P61	I/O	P61
75	I/O	P62	I/O	P62
76	I/O	P63	I/O	P63
77	I/O	P64	I/O	P64
78	I/O	P65	I/O	P65
79	I/O	P66	I/O	P66
80	I/O	P67	I/O	P67

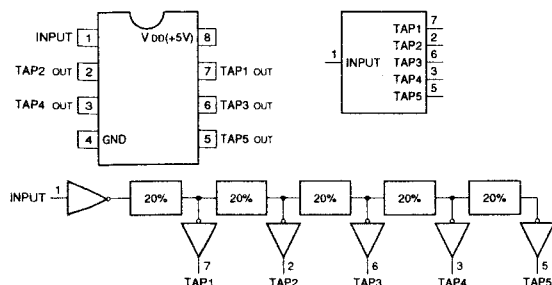
PIN No.	EXPANSION MINIMUM MODE		EXPANSION MAXIMUM MODE	
	MODE 1	MODE 2	MODE 3	MODE 4
81	-	GND	-	GND
82	-	A-GND	-	A-GND
83	I	P70/AN0	I	P70/AN0
84	I	P71/AN1	I	P71/AN1
85	I	P72/AN2	I	P72/AN2
86	I	P73/AN3	I	P73/AN3
87	-	A-V <sub>DD</sub>	-	A-V <sub>DD</sub>
88	-	V <sub>DD</sub>	-	V <sub>DD</sub>
89	I/O	P80/IRQ0	I/O	P80/IRQ0
90	I/O	P81/IRQ1	I/O	P81/IRQ1
91	I/O	P82/IRQ2/SCK1	I/O	P82/IRQ2/SCK1
92	I/O	P83/IRQ3/SCK2	I/O	P83/IRQ3/SCK2
93	I/O	P84/RXD1	I/O	P84/RXD1
94	I/O	P85/TXD1	I/O	P85/TXD1
95	I/O	P86/RXD2	I/O	P86/RXD2
96	I/O	P87/TXD2	I/O	P87/TXD2
97	-	GND	-	GND
98	I	EXTAL	I	EXTAL
99	I	XTAL	I	XTAL
100	-	GND	-	GND
101	O	Φ	O	Φ
102	O	E	O	E
103	O	AS	O	AS
104	O	RD	O	RD
105	O	HWR	O	HWR
106	O	LWR	O	LWR
107	O	RFSH	O	RFSH
108	-	V <sub>DD</sub>	-	V <sub>DD</sub>
109	I	MD0	I	MD0
110	I	MD1	I	MD1
111	I	MD2	I	MD2
112	I	STBY	I	STBY



## DS1000Z-100 (DALLAS SEMICONDUCTOR) FLAT PACKAGE

## C-MOS DELAY LINE

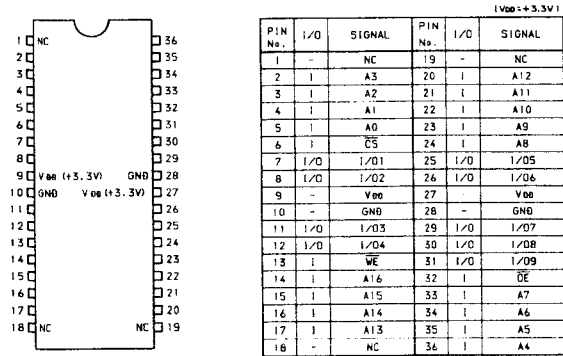
- TOP VIEW -



TYPE NO.	DELAY TIME (ns)				
	TAP1	TAP2	TAP3	TAP4	TAP5
DS1000M-50	10	20	30	40	50
DS1000M-60	12	24	36	48	60
DS1000M-75	15	30	45	60	75
DS1000M-100	20	40	60	80	100
DS1000M-125	25	50	75	100	125
DS1000M-150	30	60	90	120	150
DS1000M-175	35	70	105	140	175
DS1000M-200	40	80	120	160	200
DS1000M-250	50	100	150	200	250
DS1000M-500	100	200	300	400	500
DS1000Z-100	20	40	60	80	100

## HM62W9127HJP-35 (HITACHI) PLCC

C-MOS 1M (128k × 9) -BIT STATIC RAM  
- TOP VIEW -

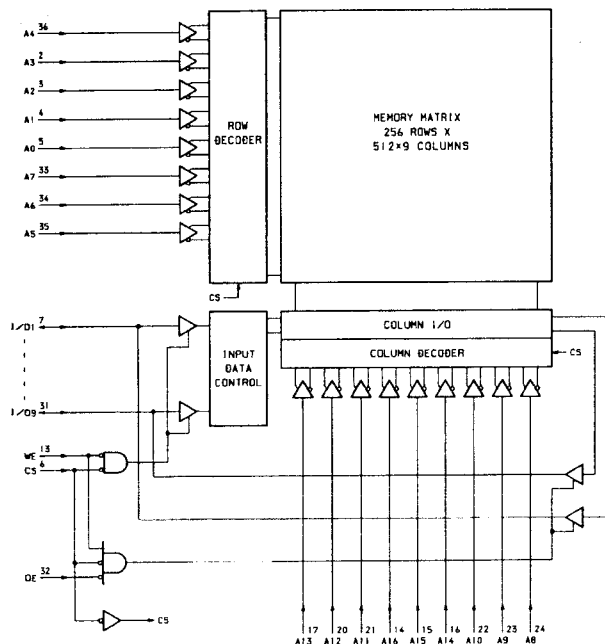


**INPUT**  
A0-A16 : ADDRESS INPUTS  
CS : CHIP SELECT  
OE : OUTPUT ENABLE INPUT  
WE : WRITE ENABLE INPUT

**INPUT/OUTPUT**  
I/O1-I/O9 : DATA INPUTS/OUTPUTS

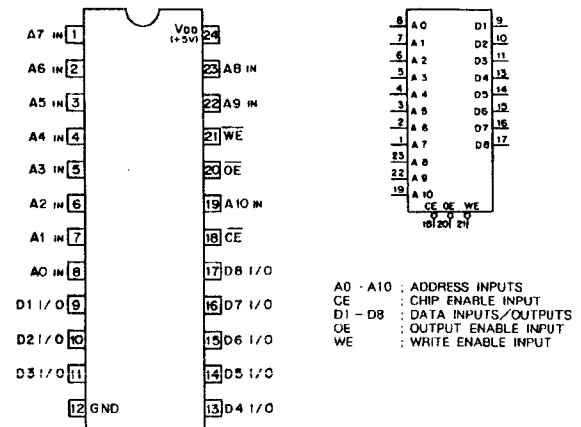
CS	OE	WE	MODE	I/O
1	X	X	NON SELECT	HI-Z
0	1	1	OUTPUT DISABLE	HI-Z
0	0	1	READ	OUTPUT
0	X	0	WRITE	INPUT

0 : LOW LEVEL  
1 : HIGH LEVEL  
X : DON'T CARE  
HI-Z : HIGH IMPEDANCE



IDT6116SA25SO (IDT) FLAT PACKAGE  
SRM2016M10 (SEIKO EPSON) FLAT PACKAGE

C-MOS 16K (2048 × 8) -BIT STATIC RAM  
- TOP VIEW -

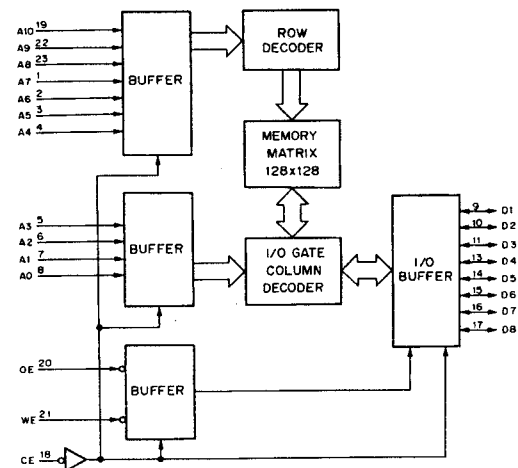


A0-A10 : ADDRESS INPUTS  
CE : CHIP ENABLE INPUT  
D1-D8 : DATA INPUTS/OUTPUTS  
OE : OUTPUT ENABLE INPUT  
WE : WRITE ENABLE INPUT

## FUNCTION TABLE

CONTROL INPUTS			MODE	D1-D8
CE	OE	WE		
1	X	X	STANDBY	HI-Z
0	1	1	DISABLE OUTPUT	HI-Z
0	0	1	FEAD	OUTPUT
0	X	0	WRITE	INPUT

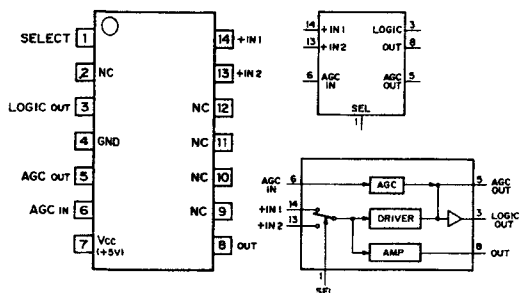
0 : LOW LEVEL  
1 : HIGH LEVEL  
X : DON'T CARE  
HI-Z : HIGH IMPEDANCE





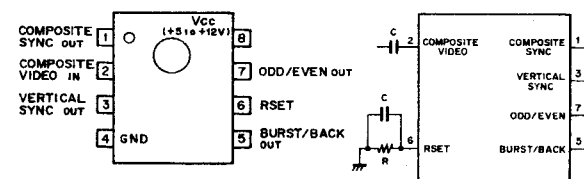
## LA7205M (SANYO)

AGC AMP, INPUT SELECT, AGC DET, COMPARATOR  
- TOP VIEW -

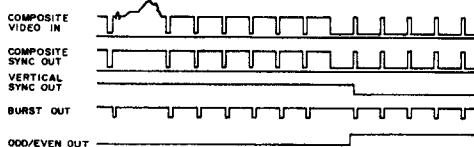


## LM1881M (NS) FLAT PACKAGE

VIDEO SYNC SEPARATOR  
- TOP VIEW -

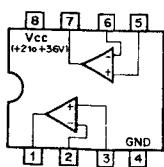


## TIMING CHART



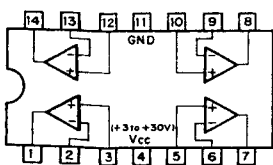
LM2903PS (TI) FLAT PACKAGE  
NJM2903M (JRC) FLAT PACKAGE

DUAL VOLTAGE COMPARATORS  
- TOP VIEW -



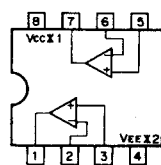
## LM324NS (TI) FLAT PACKAGE

QUAD OPERATIONAL AMPLIFIERS  
- TOP VIEW -



## LM358D (TI) FLAT PACKAGE

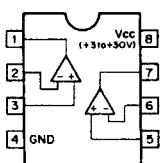
DUAL OPERATIONAL AMPLIFIER  
- TOP VIEW -



	Vcc*1	Vcc*2
SINGLE SUPPLY	+3 to +32V	GND
SPLIT SUPPLIES	+1.5 to +16V	-1.5 to -16V

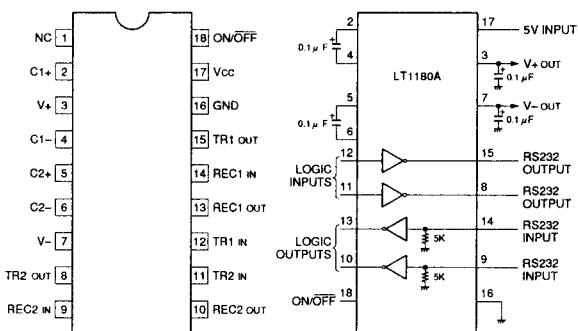
## LM358PS (TI) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIERS  
- TOP VIEW -



## LT1180ACS (LINEAR) FLAT PACKAGE

RS232 DUAL DRIVER/RECEIVER  
- TOP VIEW -



## INPUT

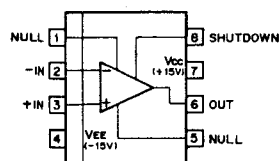
C1+, C1-, C2+, C2- : COMMUTATING CAPACITOR  
TR1, TR2 IN : RS232 DRIVER SIGNAL  
ON/OFF : TTL/CMOS COMPATIBLE OPERATING MODE CONTROL  
REC1, REC2 IN : RECEIVER

## OUTPUT

V+ : POSITIVE SUPPLY (RS-232 DRIVERS)  
V- : NEGATIVE SUPPLY (RS-232 DRIVERS)  
TR1, TR2 OUT : RS232 DRIVER SIGNAL (RS232 LEVELS)  
REC1, REC2 OUT : RECEIVER (TTL/CMOS VOLTAGE LEVELS)

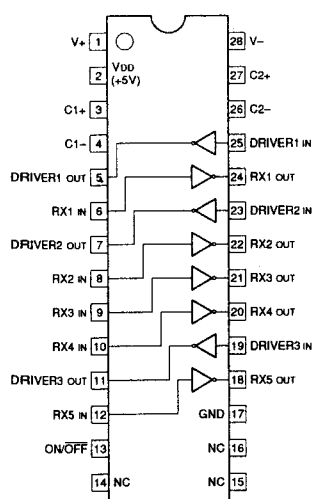
# LT1227CS8 (LINEAR TECH) FLAT PACKAGE

HIGH SPEED OPERATIONAL AMPLIFIER  
- TOP VIEW -



# LTC1337CS (LINEAR) FLAT PACKAGE

CMOS RS232 TRANSCEIVER  
- TOP VIEW -



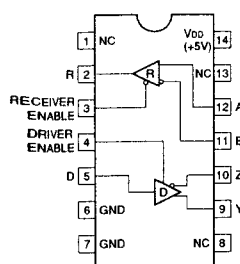
**INPUT**  
DRIVER1~3 IN : RS-232 DRIVER INPUTS  
RX1~5 IN : RECEIVER INPUTS

**OUTPUT**  
DRIVER1~3 OUT : RS-232 DRIVER OUTPUTS  
RX1~5 OUT : RECEIVER OUTPUTS TTL/CMOS VOLTAGE LEVELS

C1+, C1-, C2+, C2- : EXTERNAL CAPACITORS  
V+ : POSITIVE SUPPLY (RS-232 DRIVERS)  
V- : NEGATIVE SUPPLY (RS-232 DRIVERS)

# LTC491CS (LINEAR) FLAT PACKAGE

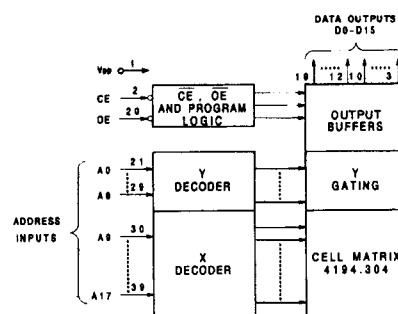
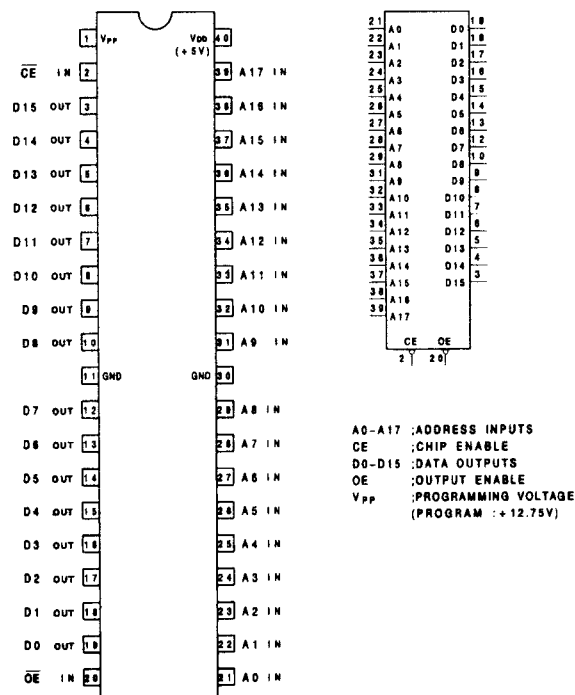
C-MOS DIFFERENTIAL DRIVER AND RECEIVER  
- TOP VIEW -



DVW-250/250P

# M27C4002-10F1 (SGS)

C-MOS 4M (256k x 16) -BIT UV EPROM  
- TOP VIEW -



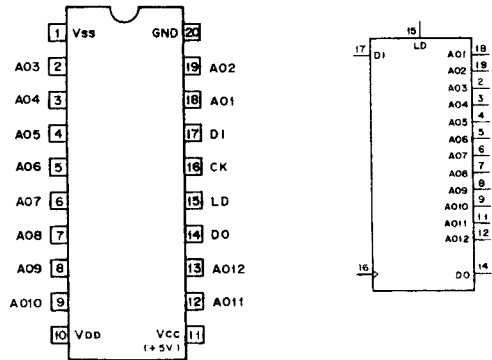
ABOVE DIAGRAM SHOWS CONDITIONS BEFORE PROGRAMMING.

CE	OE	A9	VPP	OUTPUT	FUNCTION
0	0	X	X	DOUT	READ
0	1	X	X	HI-Z	OUTPUT DISABLE
0	1	X	VPP	DIN	PROGRAM
1	0	X	VPP	DOUT	VERIFY
1	1	X	VPP	HI-Z	PROGRAM INHIBIT
1	X	X	X	HI-Z	STANDBY
0	0	VH	VDD	CODE	ELECTRONIC SIGNATURE

1 : HIGH LEVEL  
0 : LOW LEVEL  
X : DON'T CARE  
HI-Z : HIGH IMPEDANCE  
VH : 12.0 ± 0.5 V

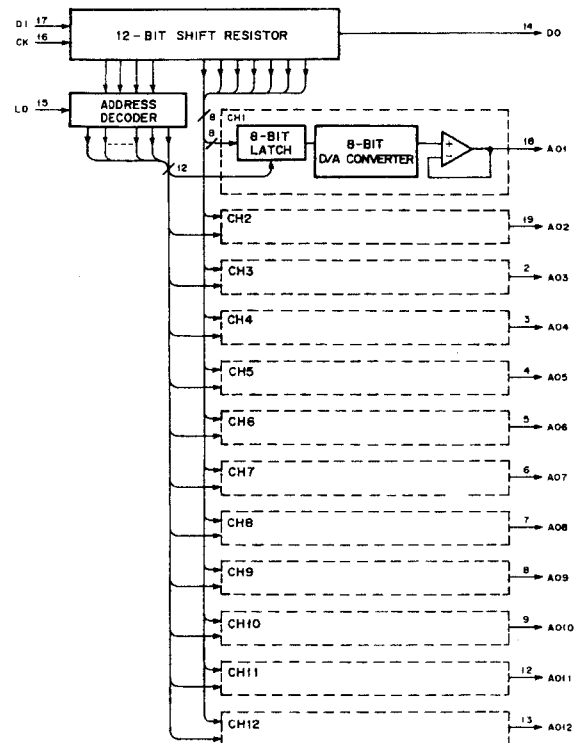
M62352GP (MITSUBISHI) FLAT PACKAGE

C-MOS 8-BIT x 12 CHANNEL D/A CONVERTER (WITH BUFFER OPERATIONAL AMPLIFIER)  
- TOP VIEW -



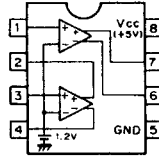
A01 - A012: 8-BIT D/A OUTPUT  
CK : CLOCK INPUT  
DI : SERIAL DATA INPUT  
DO : DATA OUTPUT

NOTE:  
3.5V < VDD < VCC  
- 3.5V < VSS < VCC



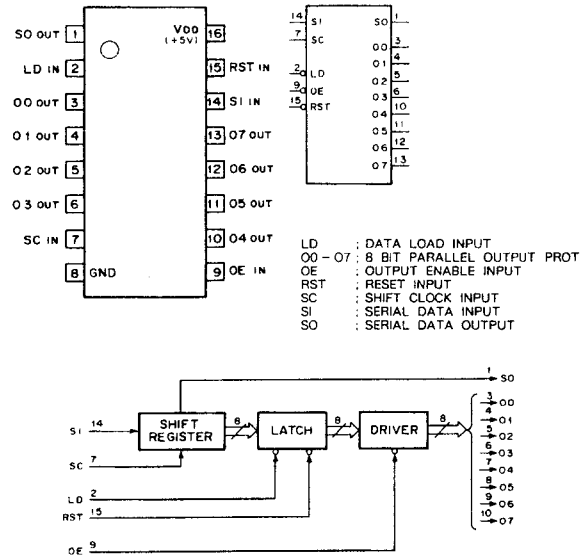
MB3761PF (FUJITSU) FLAT PACKAGE

VOLTAGE DETECTOR  
- TOP VIEW -



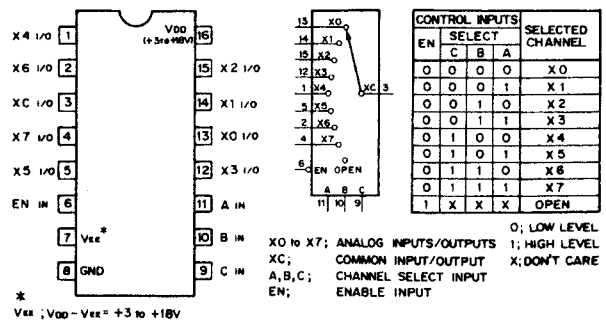
MB88306PF (FUJITSU) FLAT PACKAGE

C-MOS OUTPUT EXPANDER  
- TOP VIEW -

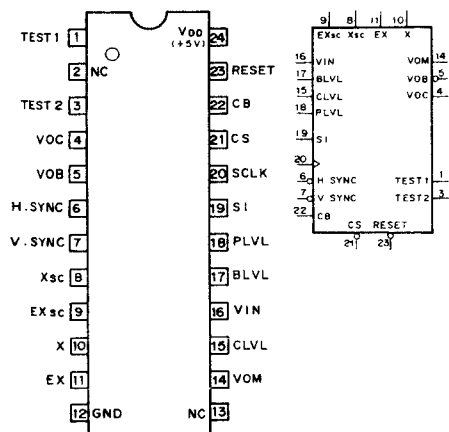


MC14051BF (MOTOROLA) FLAT PACKAGE

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULPLEXER  
- TOP VIEW -

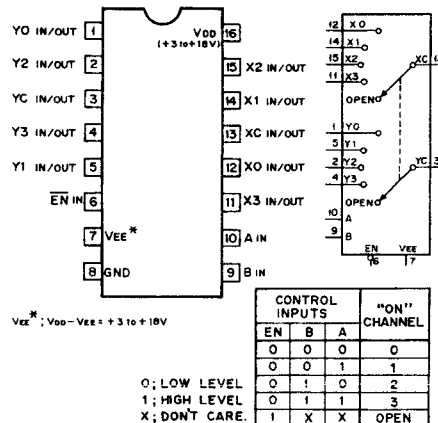


## MB88323A-PF-K2 (FUJITSU) FLAT PACKAGE

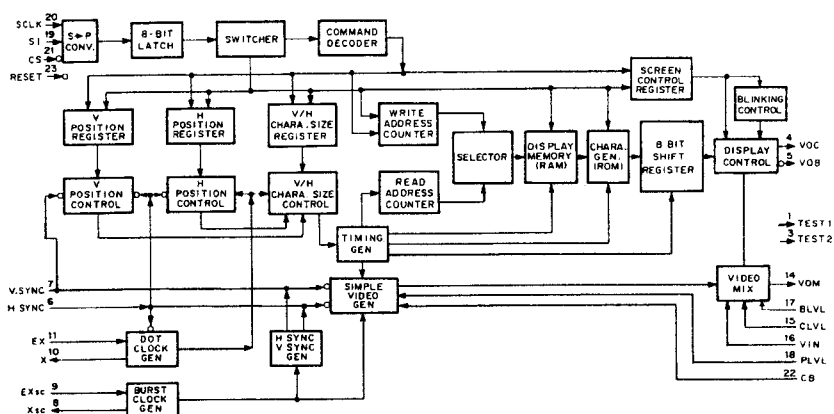
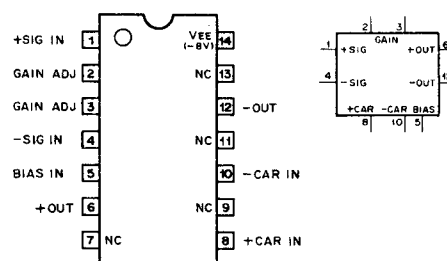
C-MOS TV DISPLAY CONTROLLER  
- TOP VIEW -

BLVL ; BORDER OR BACKGROUND ANALOG LEVEL INPUT  
 CB ; COLOR BURST DETECTION INPUT  
 CLVL ; CHARACTER ANALOG LEVEL INPUT  
 CS ; CHIP SELECT INPUT  
 EX ; DOT CLOCK INPUT  
 EXsc ; COLOR BURST CLOCK INPUT  
 H.SYNC ; H SYNC INPUT  
 PLVL ; VIDEO LEVEL CONTROL INPUT  
 SI ; SERIAL DATA INPUT  
 TEST1 ; CHIP TEST OUTPUT  
 TEST2 ; (NORMALLY SET TO OPEN)  
 VIN ; VIDEO SIGNAL INPUT  
 VOB ; BORDER OR BACKGROUND SIGNAL OUTPUT  
 VOC ; CHARACTER SIGNAL OUTPUT  
 VOM ; VIDEO/CHARACTER/BORDER OR BACKGROUND MIX OUTPUT  
 V.SYNC ; V SYNC INPUT  
 X ; DOT CLOCK OUTPUT  
 Xsc ; COLOR BURST CLOCK OUTPUT

## MC14052BF (MOTOROLA) FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS  
- TOP VIEW -

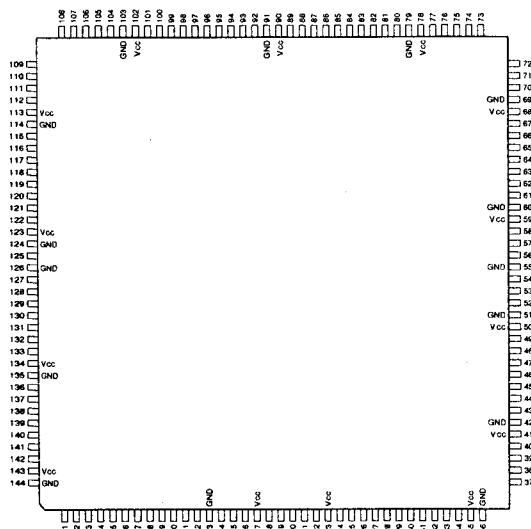
## MC1496M (MOTOROLA) FLAT PACKAGE

BALANCED MODULATOR/DEMODULATOR  
- TOP VIEW -

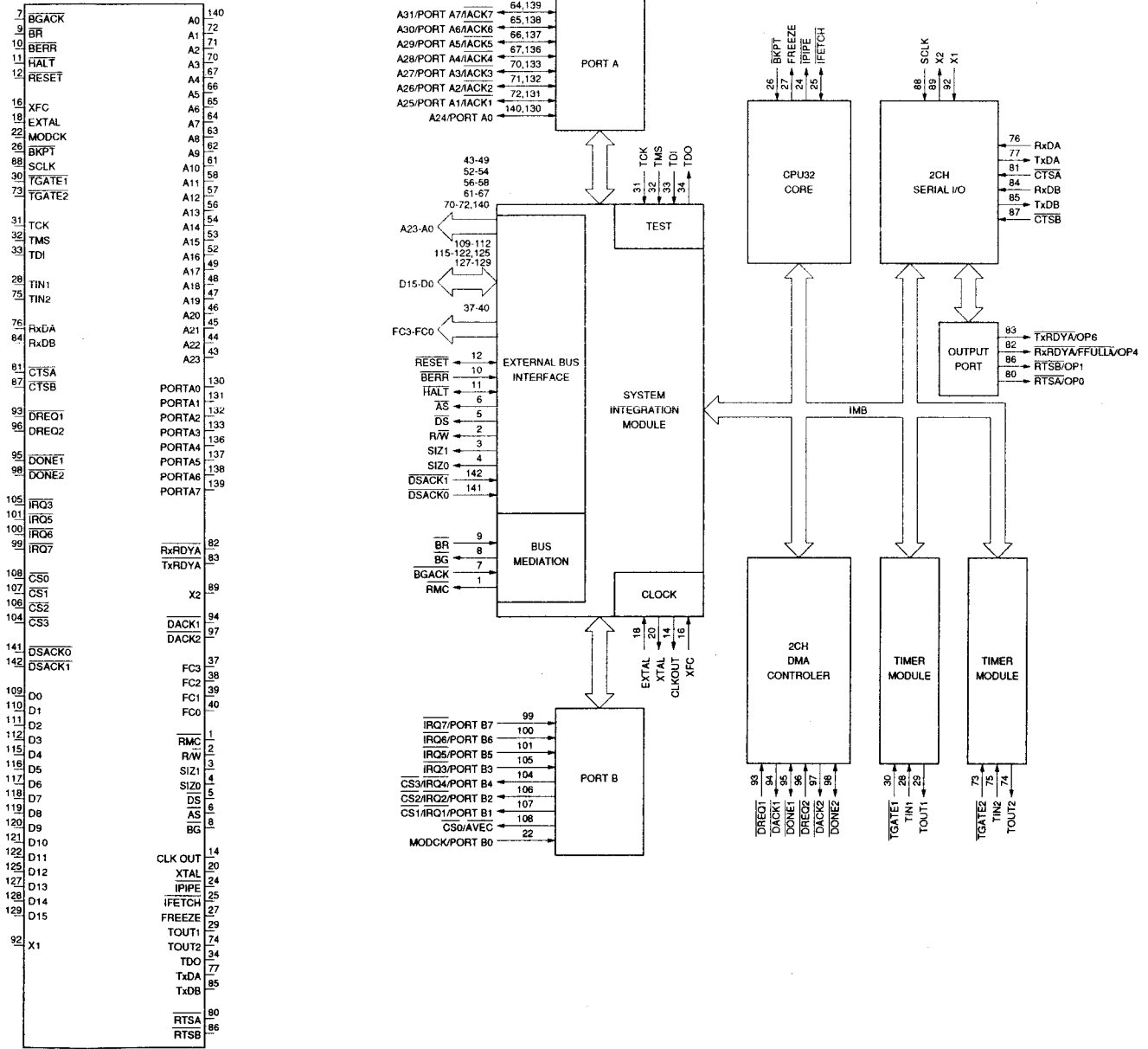


MC68340FE16B (MOTOROLA)  
MC68340FE16C (MOTOROLA)

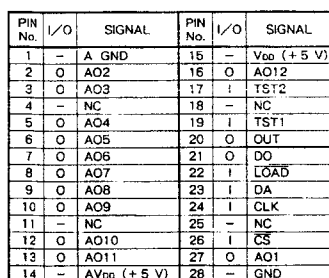
32-BIT MICROPROCESSOR  
— TOP VIEW —



PIN No.	I/O	SIGNAL	SIGNAL NAME	PIN No.	I/O	SIGNAL	SIGNAL NAME	PIN No.	I/O	SIGNAL	SIGNAL NAME	PIN No.	I/O	SIGNAL	SIGNAL NAME
1	O	RMC	READ-MODIFY-WRITE CYCLE	41	—	Vcc		81	I	CTSA	CLEAR-TO-SEND	121	I/O	D10	DATA BUS
2	O	R/W	READ/WRITE	42	—	GND		82	O	RxRDYA	RECEIVER READY/FIFO FULL/OPN	122	I/O	D11	DATA BUS
3	O	SI21	SIZE	43	O	A23	ADDRESS BUS	83	O	TxRDYA	TRANSMITTER READY/OPN	123	—	Vcc	
4	O	SI20	SIZE	44	O	A22	ADDRESS BUS	84	I	RxDB	RECEIVE DATA	124	—	GND	
5	O	DS	DATA STROBE	45	O	A21	ADDRESS BUS	85	O	TxDB	TRANSMIT DATA	125	I/O	D12	DATA BUS
6	O	AS	ADDRESS STROBE	46	O	A20	ADDRESS BUS	86	O	RTSB	REQUEST-TO-SEND/OP1,OP0	126	—	GND	
7	I	BGACK	BUS GRANT ACKNOWLEDGE	47	O	A19	ADDRESS BUS	87	I	CTSB	CLEAR-TO-SEND	127	I/O	D13	DATA BUS
8	O	BG	BUS GRANT	48	O	A18	ADDRESS BUS	88	I	SCLK	SERIAL CLOCK	128	I/O	D14	DATA BUS
9	I	BR	BUS REQUEST	49	O	A17	ADDRESS BUS	89	O	X2	SERIAL CRYSTAL OSCILLATOR	129	I/O	D15	DATA BUS
10	I	BERR	BUS ERROR	50	—	Vcc		90	—	Vcc		130	I/O	A24	ADDRESS BUS/PORT A0
11	I/O	HALT	HALT	51	—	GND		91	—	GND		131	I/O	A25	ADDRESS BUS/PORT A1
12	I/O	RESET	RESET	52	O	A16	ADDRESS BUS	92	I	X1	SERIAL CRYSTAL OSCILLATOR	132	I/O	A26	ADDRESS BUS/PORT A2
13	—	GND		53	O	A15	ADDRESS BUS	93	I	DREQ1	DMA REQUEST	133	I/O	A27	ADDRESS BUS/PORT A3
14	O	CLKOUT	SYSTEM CLOCK	54	O	A14	ADDRESS BUS	94	O	DACK1	DMA ACKNOWLEDGE	134	—	Vcc	
15	—	Vcc		55	—	GND		95	I/O	DONE1	DMA DONE	135	—	GND	
16	I	XFC	EXTERNAL FILTER CAPACITOR	56	O	A13	ADDRESS BUS	96	I	DREQ2	DMA REQUEST	136	I/O	A28	ADDRESS BUS/PORT A4
17	—	Vcc		57	O	A12	ADDRESS BUS	97	O	DACK2	DMA ACKNOWLEDGE	137	I/O	A29	ADDRESS BUS/PORT A5
18	I	EXTAL	CRYSTAL OSCILLATOR	58	O	A11	ADDRESS BUS	98	I/O	DONE2	DMA DONE	138	I/O	A30	ADDRESS BUS/PORT A6
19	—	Vcc SYN	SYNCHRONIZER POWER	59	—	Vcc		99	I	IRQ7	INTERERRUPT REQUEST LEVEL/PORT B7,BA,BB,BB	139	I/O	A31	ADDRESS BUS/PORT A7
20	O	XTAL	CRYSTAL OSCILLATOR	60	—	GND		100	I	IRQ6	INTERERRUPT REQUEST LEVEL/PORT B7,BA,BB,BB	140	O	A0	ADDRESS BUS
21	—	GND		61	O	A10	ADDRESS BUS	101	I	IRQ5	INTERERRUPT REQUEST LEVEL/PORT B7,BA,BB,BB	141	I	DSACK0	DATA AND SIZE ACKNOWLEDGE
22	I	MODCK	CLOCK MODE SELECT/PORT B6	62	O	A9	ADDRESS BUS	102	—	Vcc		142	I	DSACK1	DATA AND SIZE ACKNOWLEDGE
23	—	Vcc		63	O	A8	ADDRESS BUS	103	—	GND		143	—	Vcc	
24	O	IPIPE	INSTRUCTION PIPE/DEVELOPMENT SIGNAL OUT	64	O	A7	ADDRESS BUS	104	O	CS3	CHIP SELECT 3/INTERERRUPT REQUEST LEVEL/PORT BA,BB,BB	144	—	GND	
25	I/O	IFETCH	INSTRUCTION FLOW/DEVELOPMENT SIGNAL IN	65	O	A6	ADDRESS BUS	105	I	IRQ3	INTERERRUPT REQUEST LEVEL/PORT B7,BA,BB,BB				
26	I	BKPT	BREAKPOINT/DEVELOPMENT SERIAL CLOCK	66	O	A5	ADDRESS BUS	106	O	CS2	CHIP SELECT 2/INTERERRUPT REQUEST LEVEL/PORT BA,BB,BB				
27	O	FREEZE	FREEZE	67	O	A4	ADDRESS BUS	107	O	CS1	CHIP SELECT 1/INTERERRUPT REQUEST LEVEL/PORT BA,BB,BB				
28	I	TIN1	TIMER INPUT	68	—	Vcc		108	O	CS0	CHIP SELECT 0/AUTOVECTOR				
29	O	TOUT1	TIMER OUTPUT	69	—	GND		109	I/O	D0	DATA BUS				
30	I	TGATE1	TIMER GATE	70	O	A3	ADDRESS BUS	110	I/O	D1	DATA BUS				
31	I	TCK	TEST CLOCK	71	O	A2	ADDRESS BUS	111	I/O	D2	DATA BUS				
32	I	TMS	TEST MODE SELECT	72	O	A1	ADDRESS BUS	112	I/O	D3	DATA BUS				
33	I	TDI	TEST DATA IN	73	I	TGATE2	TIMER GATE	113	—	Vcc					
34	O	TDO	TEST DATA OUT	74	O	TOUT2	TIMER OUTPUT	114	—	GND					
35	—	Vcc		75	I	TIN2	TIMER INPUT	115	I/O	D4	DATA BUS				
36	—	GND		76	I	RxDA	RECEIVE DATA	116	I/O	D5	DATA BUS				
37	O	FC3	FUNCTION CODE	77	O	TxDA	TRANSMIT DATA	117	I/O	D6	DATA BUS				
38	O	FC2	FUNCTION CODE	78	—	Vcc		118	I/O	D7	DATA BUS				
39	O	FC1	FUNCTION CODE	79	—	GND		119	I/O	D8	DATA BUS				
40	O	FC0	FUNCTION CODE	80	O	RTSA	REQUEST-TO-SEND/OP1,OP0	120	I/O	D9	DATA BUS				



C-MOS 12 CHANNELS 8-BITS D-A CONVERTER WITH 96-BIT EEPROM  
- TOP VIEW -



**OUTPUT**  
 AO0 - AO12: 8-BIT D/A OUTPUTS  
 DO : LSB BIT DATA OF 8-BIT SHIFT REGISTER  
 OUT : MONITOR PIN

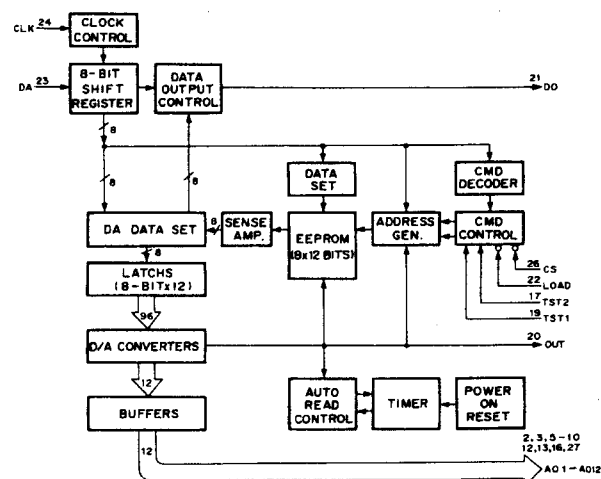
MODE (3) MEMORY TEST															
1st BYTE								2nd BYTE							
D0	D1	D2	D3	D4	D5	D6	D7	D0	D1	D2	D3	D4	D5	D6	D7
0	0	1	1	A0	A1	A2	A3	00	01	02	03	04	05	06	07
MODE SELECT								MEMORY DATA OUTPUT							

0 : LOW LEVEL  
1 : HIGH LEVEL

ADDRESS SELECT				
D4	D5	D6	D7	ADDRESS SELECT
0	0	0	0	DON'T CARE
1	0	0	0	A01
0	1	0	0	A02
1	1	0	0	A03
0	0	1	0	A04
1	0	1	0	A05
0	1	1	0	A06
1	1	1	0	A07
0	0	0	1	A08
1	0	0	1	A09
0	1	0	1	A010
1	1	0	1	A011
0	0	1	1	A012
1	0	1	1	DON'T CARE
0	1	1	1	DON'T CARE
1	1	1	1	DON'T CARE

D/A OUTPUT								D/A OUTPUT
D0	D1	D2	D3	D4	D5	D6	D7	
0	0	0	0	0	0	0	0	$\approx \text{VOLA} + (\text{VOHA} - \text{VOLA}) / 256 \times 1$
1	0	0	0	0	0	0	0	$\approx \text{VOLA} + (\text{VOHA} - \text{VOLA}) / 256 \times 2$
0	1	0	0	0	0	0	0	$\approx \text{VOLA} + (\text{VOHA} - \text{VOLA}) / 256 \times 3$
1	1	0	0	0	0	0	0	$\approx \text{VOLA} + (\text{VOHA} - \text{VOLA}) / 256 \times 4$
0	0	1	0	0	0	0	0	$\approx \text{VOLA} + (\text{VOHA} - \text{VOLA}) / 256 \times 5$
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$
0	0	1	1	1	1	1	1	$\approx \text{VOLA} + (\text{VOHA} - \text{VOLA}) / 256 \times 255$
1	0	1	1	1	1	1	1	$\approx \text{VOLA} + (\text{VOHA} - \text{VOLA}) / 256 \times 254$
0	1	1	1	1	1	1	1	$\approx \text{VOLA} + (\text{VOHA} - \text{VOLA}) / 256 \times 255$
1	1	1	1	1	1	1	1	$\approx \text{VOLH}$

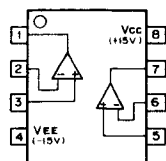
0 : LOW LEVEL  
1 : HIGH LEVEL





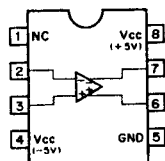
NJM072BM (JRC) FLAT PACKAGE

LOW NOISE OPERATIONAL AMPLIFIER  
- TOP VIEW -



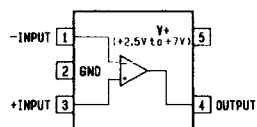
NJM360M (JRC) FLAT PACKAGE

HIGH SPEED VOLTAGE COMPARATOR (TTL OUTPUT)  
- TOP VIEW -



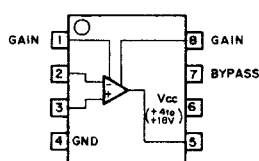
NJM2406F (JRC) FLAT PACKAGE

SINGLE COMPARATOR  
- TOP VIEW -



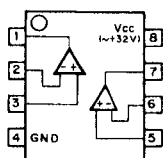
NJM386BM (JRC) FLAT PACKAGE

AUDIO POWER AMPLIFIER  
- TOP VIEW -



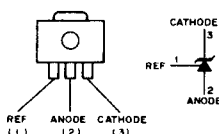
NJM2904M (JRC) FLAT PACKAGE

OPERATIONAL AMPLIFIER  
- TOP VIEW -



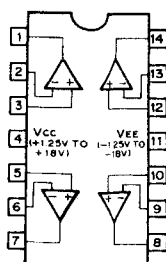
NJM431U (JRC)

ADJUSTABLE PRECISION SHUNT REGULATOR  
- FRONT VIEW -



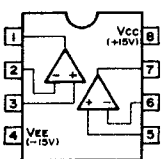
NJM3403AM (JRC) FLAT PACKAGE

QUAD OPERATIONAL AMPLIFIER  
- TOP VIEW -



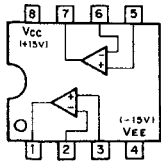
NJM4556M (JRC) FLAT PACKAGE

OPERATIONAL AMPLIFIER (WIDE BAND, DECOMPENSATED)  
- TOP VIEW -



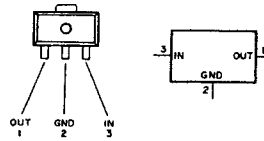
NJM4565M-A (JRC) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER  
- TOP VIEW -



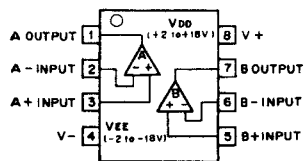
NJM78L05UA (JRC) +5 V (100 mA)

POSITIVE VOLTAGE REGULATOR  
- SIDE VIEW -



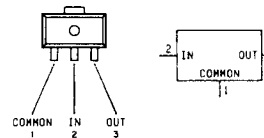
NJM4580E (JRC) FLAT PACKAGE

OPERATIONAL AMPLIFIER  
- TOP VIEW -



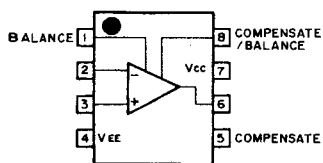
NJM79L05UA (JRC) -5 V (100 mA)

VOLTAGE REGULATOR  
- SIDE VIEW -



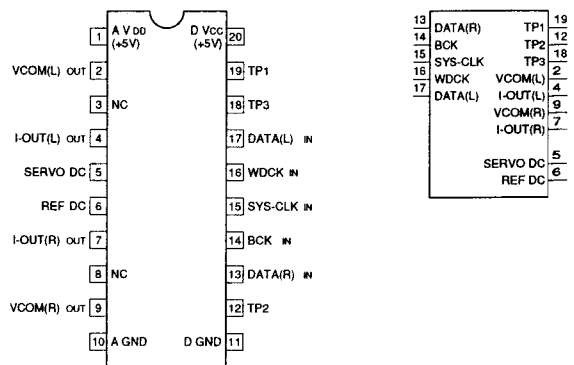
NJM5534M (JRC) FLAT PACKAGE

OPERATIONAL AMPLIFIER  
- TOP VIEW -



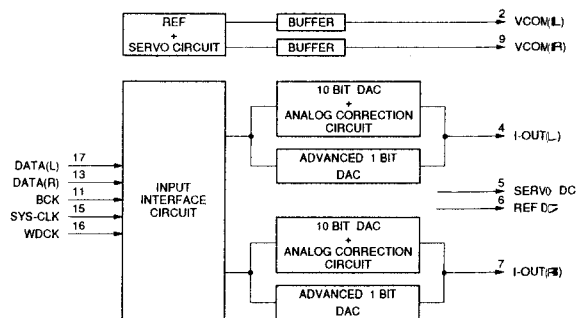
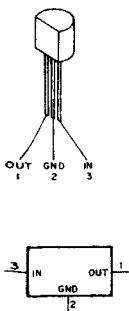
PCM69U-J (NBB)

C-MOS DUAL 18-BIT D/A CONVERTER  
- TOP VIEW -



NJM78L05A (JRC) +5 V (100 mA)

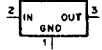
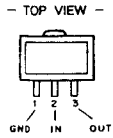
POSITIVE VOLTAGE REGULATOR  
- TOP VIEW -





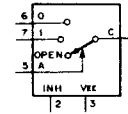
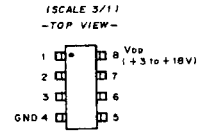
S-81250HG-RD (SEIKO I AND E) +5.0V FLAT PACKAGE

THREE TERMINAL POSITIVE VOLTAGE REGULATOR



TC4W53F (TOSHIBA) CHIP PACKAGE (5.0 × 3.1)  
TC4W53FU (TOSHIBA) CHIP PACKAGE

C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER

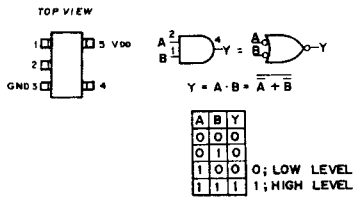


CONT. INPUT		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	OPEN

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

TC4S81F (TOSHIBA) CHIP PACKAGE  
TC7S08F (TOSHIBA) CHIP PACKAGE

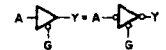
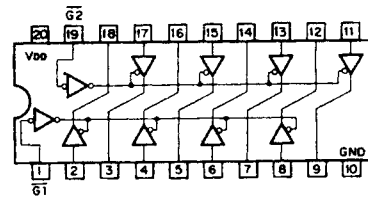
C-MOS 2-INPUT AND GATE



TYPE	V <sub>DD</sub>
7S08F	+2 to +6V
7S08FU	+2 to +6V
4S81F	+3 to +18V
14S81F	+3 to +18V
7SH08FU	-2 to +5.5V

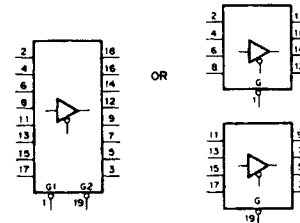
SN74HCT244ANS (TI) FLAT PACKAGE  
TC74VHC244F (TOSHIBA) FLAT PACKAGE  
TC74VHC244FS (TOSHIBA) FLAT PACKAGE (SMALL)  
TC74VHCT244FS (TOSHIBA) FLAT PACKAGE

C-MOS BUS BUFFER WITH 3-STATE OUTPUTS  
—TOP VIEW—



A	Y
0	0
0	1
1	1
X	Hi-Z

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE  
Hi-Z: HIGH IMPEDANCE

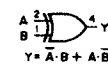
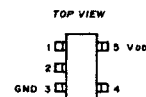


NOTE:

TYPE	V <sub>DD</sub>
AC HC 40H	+2 to +6V
ACT BCT FCT HCT	+5V
TC74AC244 TYPE TC74VHC244	+2 to +5.5V

TC7S86F (TOSHIBA) CHIP PACKAGE  
TC7S86FU (TOSHIBA) CHIP PACKAGE

C-MOS 2-INPUT EXCLUSIVE OR GATE

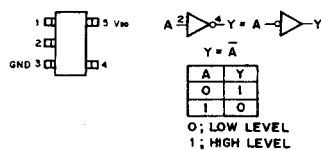


A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0: LOW LEVEL  
1: HIGH LEVEL

SC7S04F (MOTOROLA) CHIP PACKAGE  
TC4S69F (TOSHIBA) CHIP PACKAGE  
TC4SU69F (TOSHIBA) CHIP PACKAGE

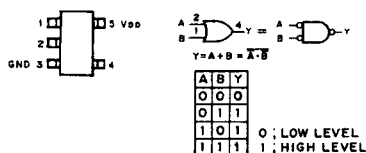
C-MOS INVERTER  
- TOP VIEW -



TYPE	V <sub>DD</sub>
7S04F	+2 to +6V
7SU04F	+2 to +6V
4S69F	+3 to +18V
4SU69F	+3 to +18V
7SH04FU	+2 to +5.5V

SC7S32F (MOTOROLA) CHIP PACKAGE  
TC7SH32FU (TOSHIBA) CHIP PACKAGE

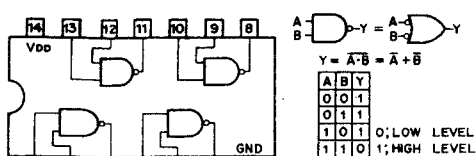
C-MOS 2-INPUT OR GATE  
- TOP VIEW -



TYPE	V <sub>DD</sub>
7S32F	+2 to +6V
7S32FU	+2 to +6V
4S71F	+3 to +18V
7SH32FU	+2 to +5.5V

SN74HC00ANS (TI) FLAT PACKAGE  
TC74VHC00F (TOSHIBA) FLAT PACKAGE  
TC74VHC00FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS QUAD 2-INPUT NAND GATES  
- TOP VIEW -

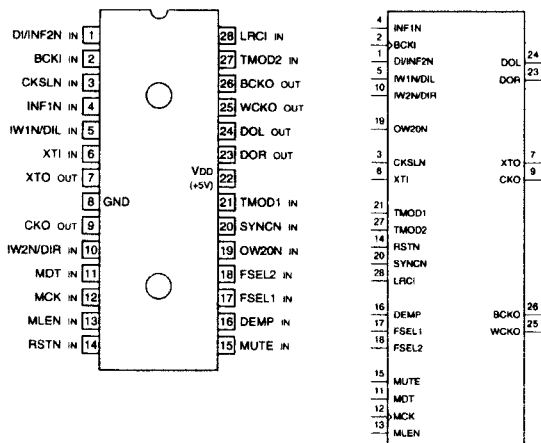


NOTE:

TYPE	V <sub>DD</sub>
TC74AC00 TYPE	+2 to +5.5V
TC74VHC00	+5V
MC74HC00N	+4.5 to +5.5V
74ACT00 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +8V

SM5843AS1 (NPC)

C-MOS DIGITAL FILTER  
- TOP VIEW -



#### INPUT

BCKI : INPUT BIT CLOCK  
CKSLN : INPUT FREQUENCY SELECT (H: 384fs/L: 256fs)  
DEMP : DE-EMPHASIS CONTROL (L: OFF/H: ON)  
DIV/INF2N : INPUT DATA (INF1N = L)/INPUT FORMAT SELECT 2 (INF1N = H)  
FSEL1, 2 : DE-EMPHASIS SELECT

f <sub>s</sub> (Hz)	32k	44.1k	48k	TEST MODE
SETTING	FSEL1	H	L	H
	FSEL2	H	L	L

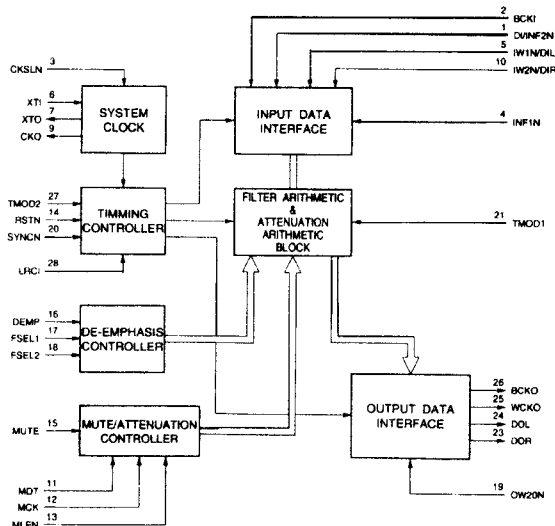
INF1N : INPUT FORMAT SELECT 1  
IW1NDIL : INPUT WORD LENGTH 1 (INF1N = L)/Lch DATA INPUT (TNF1N = H)  
IW2NDIR : INPUT WORD LENGTH 2 (INF1N = L)/Rch DATA INPUT (TNF1N = H)  
LRCI : SAMPLE RATE CLOCK (fs)  
MCK : ATTENUATION BIT CLOCK  
MDT : ATTENUATION SERIAL DATA  
MLEN : ATTENUATION LATCH CLOCK  
MUTE : MUTE CONTROL  
OW20N : OUTPUT WORD LENGTH

OUTPUT WORD LENGTH (BIT)	18	20
OW20N	H	L

RSTN : SYSTEM RESET (L: RESET/H: NORMAL)  
SYNCN : SYNC MODE SELECT (L: EXECUTION SYNC MODE/H: JITTER FREE MODE)  
TMD1 : DITHER ON/OFF SELECT (L: ON/H: OFF)  
TMD2 : FILTER CHARACTER SELECT  
XT1 : OSCILLATOR INPUT

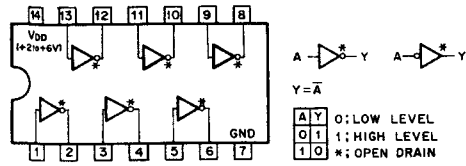
#### OUTPUT

BCKO : OUTPUT BIT CLOCK  
CKO : OSCILLATOR OUTPUT CLOCK  
DOL : Lch DATA  
DOR : Rch DATA  
WCKO : OUTPUT WORD CLOCK  
XTO : OSCILLATOR OUTPUT



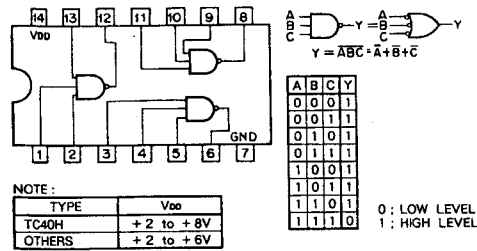
### SN74HC05ANS (TI) FLAT PACKAGE

C-MOS HEX INVERTER WITH OPEN-DRAIN  
- TOP VIEW -



### SN74HC10ANS (TI) FLAT PACKAGE

C-MOS 3-INPUT NAND GATE  
- TOP VIEW -

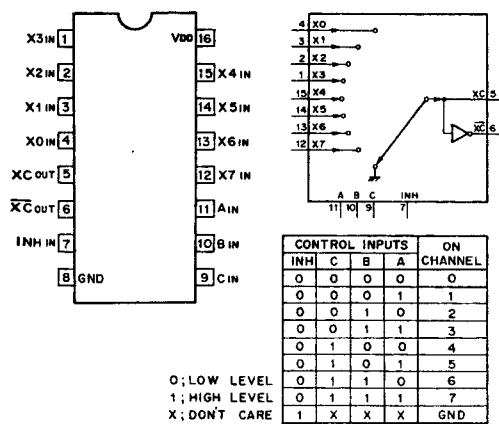


NOTE:

TYPE	V <sub>DD</sub>
TC40H	+2 to +8V
OTHERS	+2 to +6V

### SN74HC151ANS (TI) FLAT PACKAGE

C-MOS 8-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER  
- TOP VIEW -

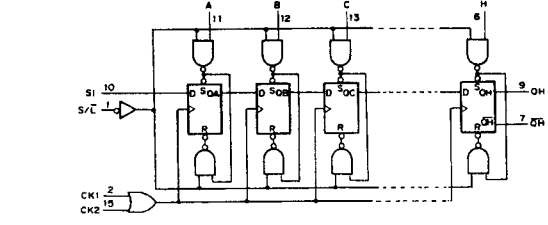
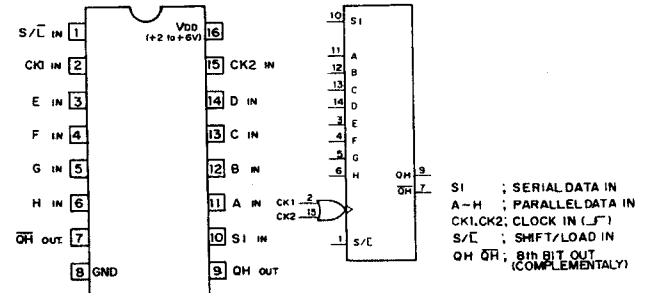


NOTE:

TYPE	V <sub>DD</sub>
HC	+2 to +6V
AC/VHC	+2 to +5.5V
HCT/ACT/FCT	+5V

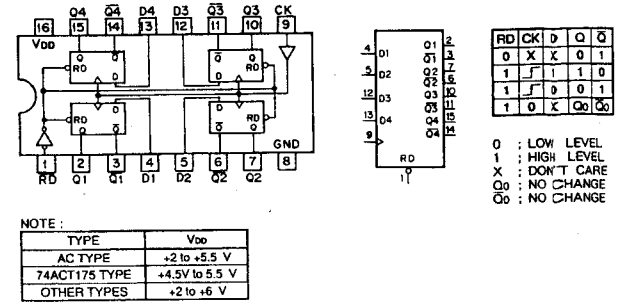
### SN74HC165ANS (TI) FLAT PACKAGE TC74VHC165FS (TOSHIBA) FLAT PACKAGE

C-MOS SERIAL- OR PARALLEL-INPUT SHIFT REGISTER  
- TOP VIEW -



### SN74HC175ANS (TI) FLAT PACKAGE TC74VHC175FS (TOSHIBA) FLAT PACKAGE

C-MOS QUAD D-TYPE FLIP-FLOPS WITH RESET  
- TOP VIEW -

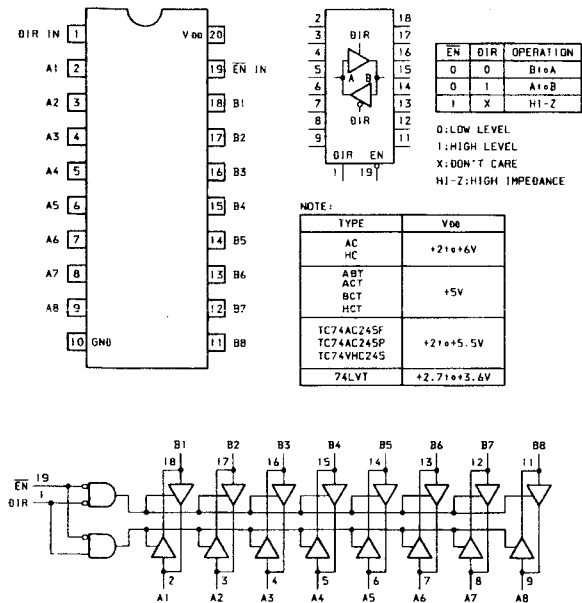


NOTE:

TYPE	V <sub>DD</sub>
AC TYPE	+2 to +5.5 V
74ACT175 TYPE	+4.5V to 5.5 V
OTHER TYPES	+2 to +6 V

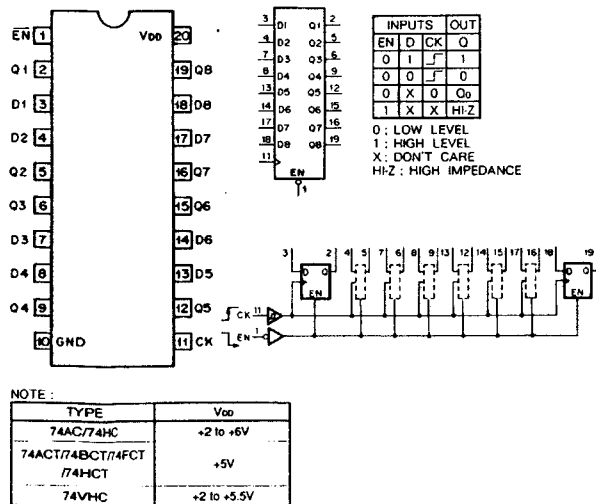
SN74HC245ANS (TI) FLAT PACKAGE  
SN74HCT245ANS (TI) FLAT PACKAGE  
SN74LVT245NS (TI) FLAT PACKAGE  
TC74VHC245F (TOSHIBA) FLAT PACKAGE  
TC74VHC245FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS BILATERAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS  
- TOP VIEW -



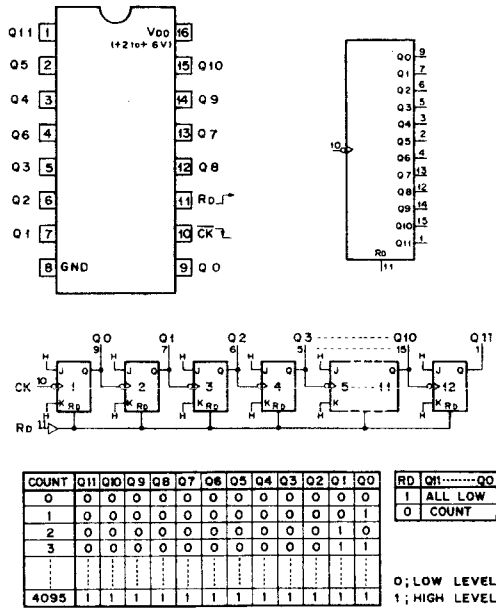
SN74HC374ANS (TI) FLAT PACKAGE  
TC74VHC374FS (TOSHIBA) FLAT PACKAGE

C-MOS 3-STATE OCTAL D-TYPE FLIP-FLOP  
- TOP VIEW -



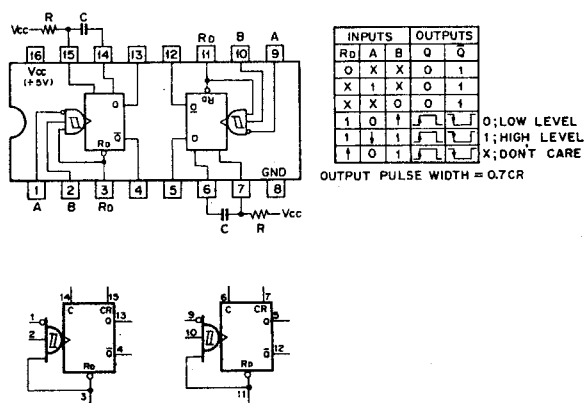
SN74HC4040ANS (TI) FLAT PACKAGE

C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER  
- TOP VIEW -

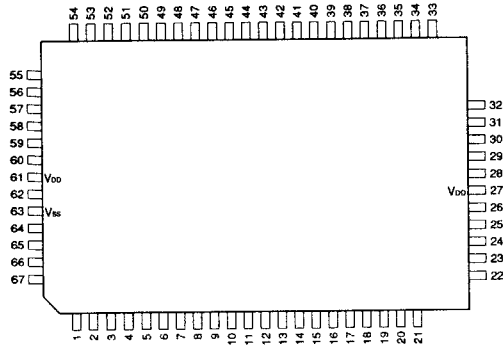


SN74LS221NS (TI) FLAT PACKAGE

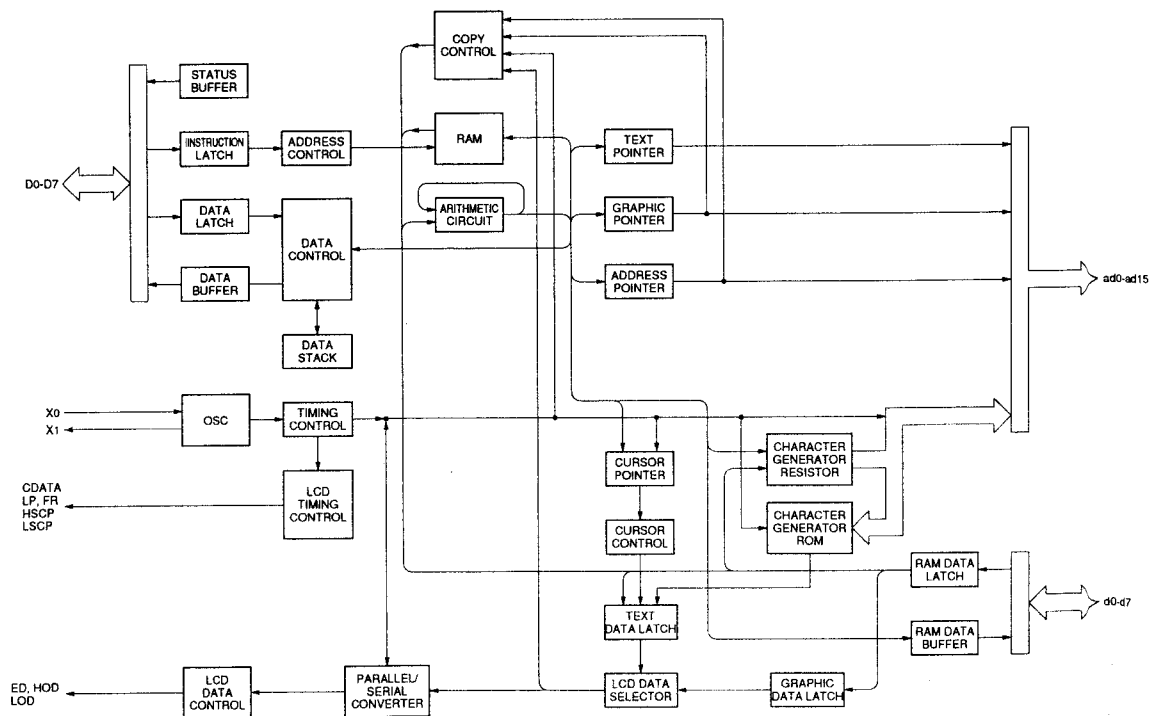
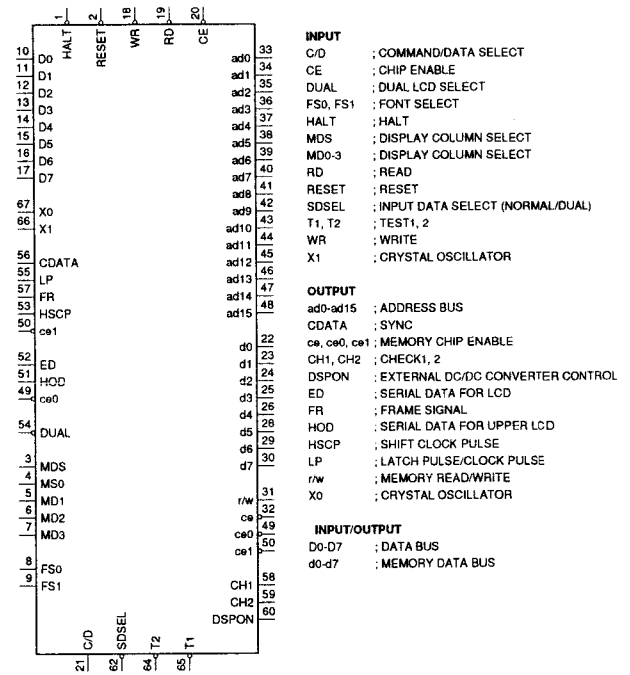
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT  
- TOP VIEW -



## T6963C (TOSHIBA)

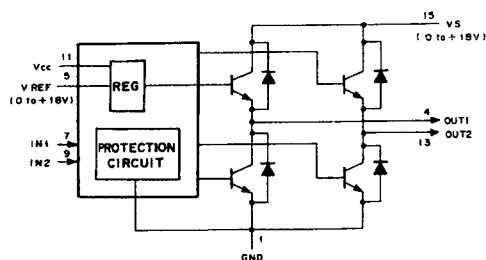
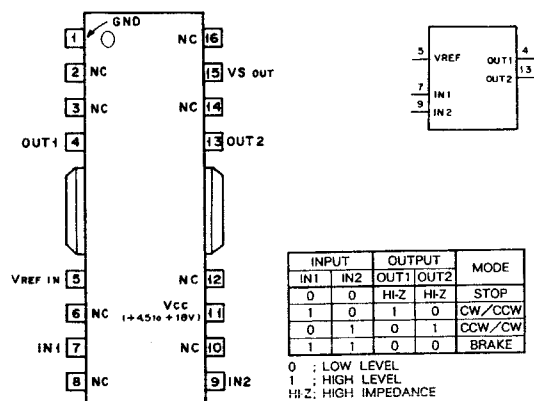
C-MOS DOT MATRIX LCD CONTROLLER  
- TOP VIEW -

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	HALT	18	I	WR	35	O	ad2	52	O	ED
2	I	RESET	19	I	RD	36	O	ad3	53	O	HSCP
3	I	MDS	20	I	CE	37	O	ad4	54	I	DUAL
4	I	MD0	21	I	C/D	38	O	ad5	55	O	LP
5	I	MD1	22	I/O	d0	39	O	ad6	56	O	CDATA
6	I	MD2	23	I/O	d1	40	O	ad7	57	O	FR
7	I	MD3	24	I/O	d2	41	O	ad8	58	O	CH1
8	I	FS0	25	I/O	d3	42	O	ad9	59	O	CH2
9	I	FS1	26	I/O	d4	43	O	ad10	60	O	DSPON
10	I/O	D0	27	-	VDD	44	O	ad11	61	-	VDD
11	I/O	D1	28	I/O	d5	45	O	ad12	62	I	SDSEL
12	I/O	D2	29	I/O	d6	46	O	ad13	63	-	VSS
13	I/O	D3	30	I/O	d7	47	O	ad14	64	I	T2
14	I/O	D4	31	O	r/w	48	O	ad15	65	I	T1
15	I/O	D5	32	O	ce	49	O	ce0	66	I	X1
16	I/O	D6	33	O	ad0	50	O	ce1	67	O	X0
17	I/O	D7	34	O	ad1	51	O	HOD	-	-	-

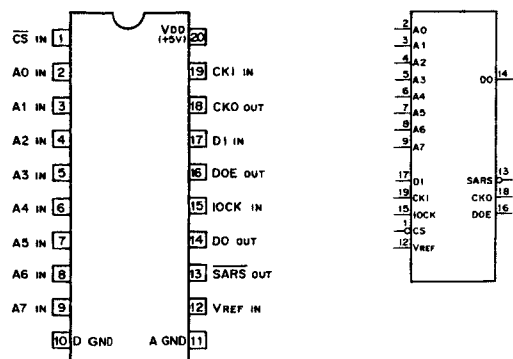




## TA7291F (TOSHIBA) FLAT PACKAGE

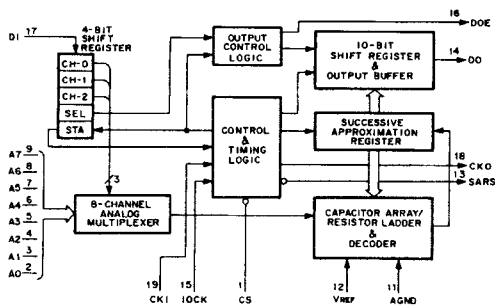
DC MOTOR FULLBRIDGE DRIVER  
- TOP VIEW -

## TC35080P (TOSHIBA)

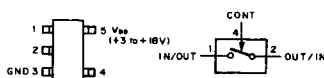
C-MOS 10-BIT SERIAL I/O A/D CONVERTER  
- TOP VIEW -

**INPUT**  
A0 - A7 : ANALOG  
CKI : CLOCK  
CS : CHIP SELECT  
D1 : DATA  
IOCK : I/O CLOCK  
VREF : REFERENCE VOLTAGE

**OUTPUT**  
CKO : CLOCK  
DO : DATA  
DOE : DATA OUTPUT ENABLE  
SARS : SUCCESSIVE APPROXIMATION REGISTER STATUS



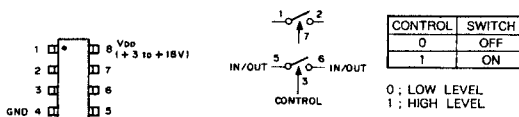
## TC4S66F (TOSHIBA) CHIP PACKAGE

C-MOS BILATERAL ANALOG SWITCH  
- TOP VIEW -

CONT	SWITCH
0	OFF
1	ON

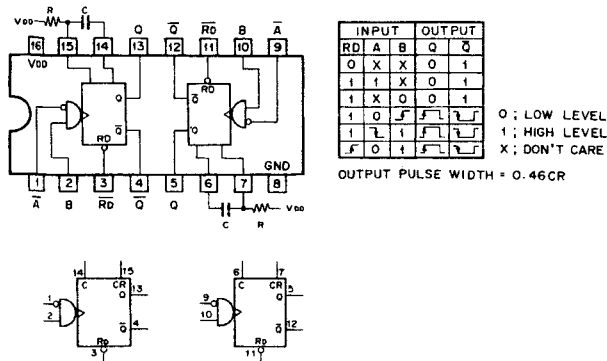
0 : LOW LEVEL  
1 : HIGH LEVEL

## TC4W66FU (TOSHIBA) CHIP PACKAGE

C-MOS DUAL BILATERAL SWITCH  
- TOP VIEW -

TC74HC123AF (TOSHIBA) FLAT PACKAGE  
 TC74VHC123AF (TOSHIBA) FLAT PACKAGE  
 TC74VHC123AFS (TOSHIBA) FLAT PACKAGE

C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS  
 - TOP VIEW -

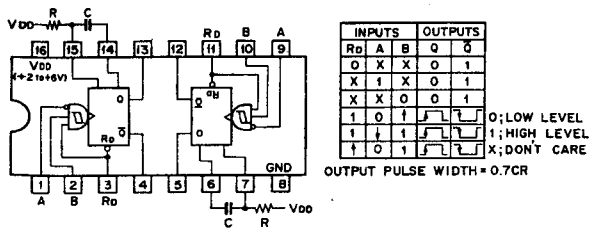


NOTE:

TYPE	V <sub>DD</sub>
TC74HCT123AF	+5V
OTHER TYPES	+2 to +6V

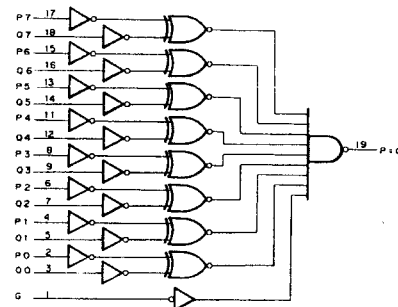
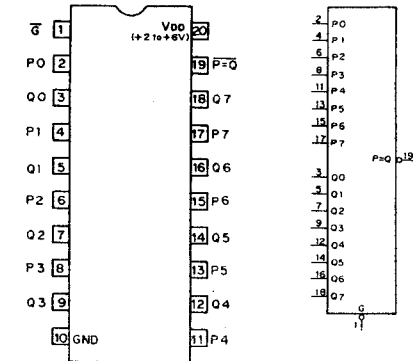
TC74HC221AF (TOSHIBA) FLAT PACKAGE  
 TC74VHC221AF (TOSHIBA) FLAT PACKAGE

C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT  
 - TOP VIEW -



TC74HC688AF (TOSHIBA) FLAT PACKAGE

C-MOS 8-BIT EQUALITY DETECTOR  
 - TOP VIEW -

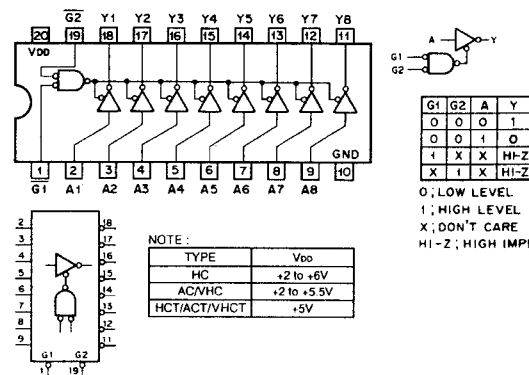


INPUTS	OUTPUT
P, Q	P = Q
0	0
1	1
0	1
1	0
X	1

0; LOW LEVEL  
 1; HIGH LEVEL  
 X; DON'T CARE

TC74HCT540AF (TOSHIBA) FLAT PACKAGE

C-MOS 3-STATE OCTAL INVERTING BUFFERS/DRIVERS  
 - TOP VIEW -

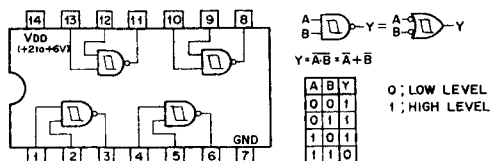


G1	G2	A	Y
0	0	0	1
0	0	1	0
1	X	X	HI-Z
X	1	X	HI-Z

0; LOW LEVEL  
 1; HIGH LEVEL  
 X; DON'T CARE  
 HI-Z; HIGH IMPEDANCE

## TC74VHC132FS (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND SCHMITT TRIGGER  
- TOP VIEW -

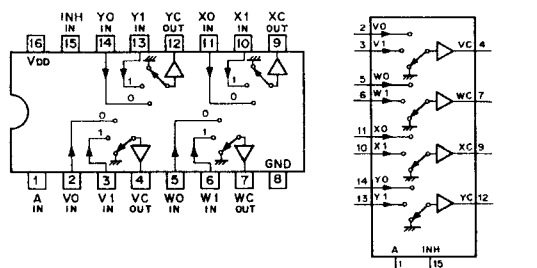


NOTE:

TYPE	V <sub>DD</sub>
HC	+2 to +6V
VHC	+2 to +5.5V

## TC74VHC157FS (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER  
- TOP VIEW -



NOTE:

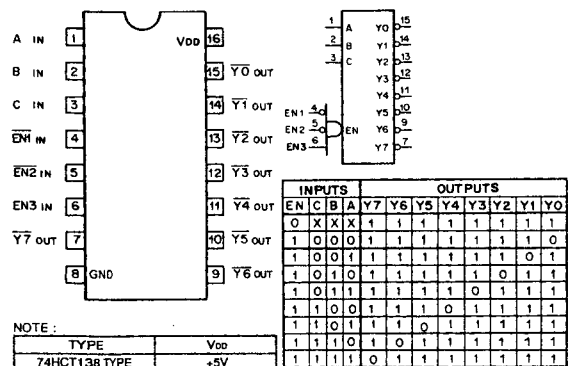
TYPE	V <sub>DD</sub>
74ACT/74FCT	+5V
TC74AC157P TC74AC157	+2 to +5.5V
TC40H	+2 to +6V
OTHER TYPES	+2 to +6V

CONT. IN	ON CHANNEL
INH	A
0	0
0	1
1	X

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

## TC74VHC138FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS 3-TO-8 LINE DECODER/DEMULPLEXER  
- TOP VIEW -



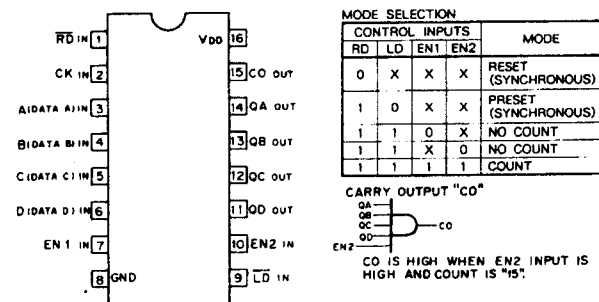
NOTE:

TYPE	V <sub>DD</sub>
74HCT138 TYPE	+5V
74ACT138 TYPE	+4.5 to +5.5V
TC74AC138 TYPE TC74VHC138	+2 to +5.5V
OTHER TYPES	+2 to +6V

EN = EN1 · EN2 · EN3  
0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

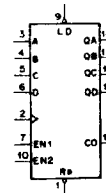
## TC74VHC163F (TOSHIBA) FLAT PACKAGE

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER  
- TOP VIEW -



NOTE:

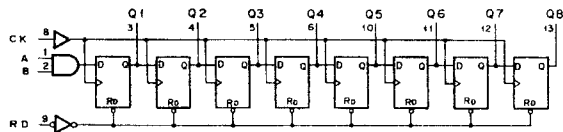
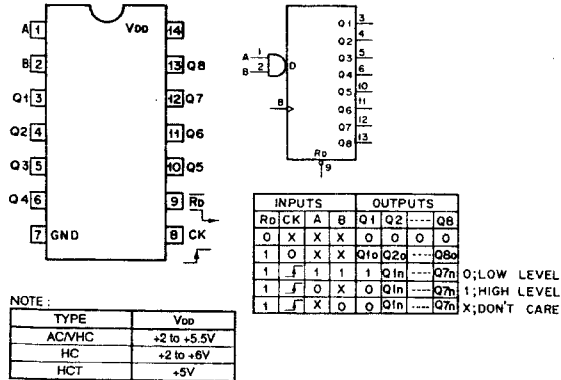
TYPE	V <sub>DD</sub>
HC	+2 to +6V
AC/VHC	+2 to +5.5V
HCT/ACT/FCT	+5V



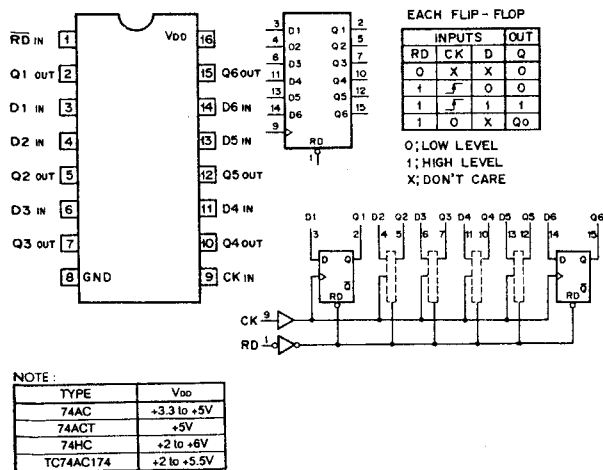
COUNT SEQUENCE

COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

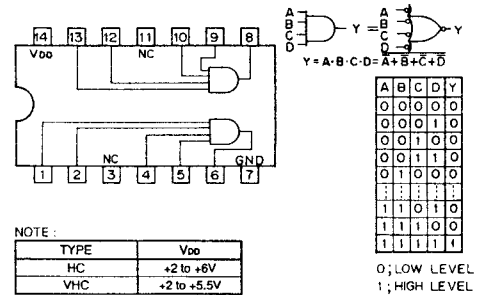
## TC74VHC164F (TOSHIBA) FLAT PACKAGE

C-MOS 8-BIT SERIAL-IN/PARALLEL-OUT SHIFT REGISTER  
- TOP VIEW -

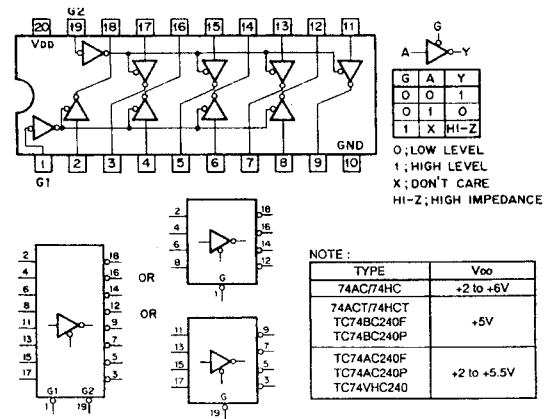
## TC74VHC174F (TOSHIBA) FLAT PACKAGE

C-MOS D-TYPE FLIP-FLOP WITH RESET  
- TOP VIEW -

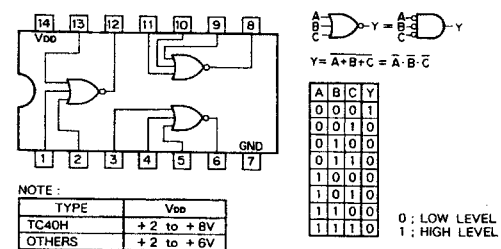
## TC74VHC21F (TOSHIBA) FLAT PACKAGE

C-MOS DUA4-INPUT POSITIVE-AND GATE  
- TOP VIEW -

## TC74VHC240F (TOSHIBA) FLAT PACKAGE

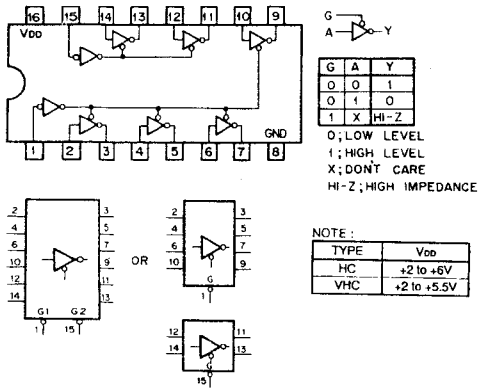
C-MOS 3-STATE INVERTER/LINE DRIVER  
- TOP VIEW -

## TC74VHC27FS (TOSHIBA) FLAT PACKAGE

C-MOS 3-LINE POSITIVE-NOR GATE  
- TOP VIEW -

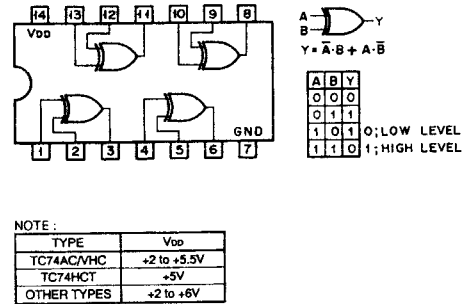
TC74VHC368FS (TOSHIBA) FLAT PACKAGE

C-MOS BUS INVERTER WITH 3-STATE OUTPUTS  
- TOP VIEW -



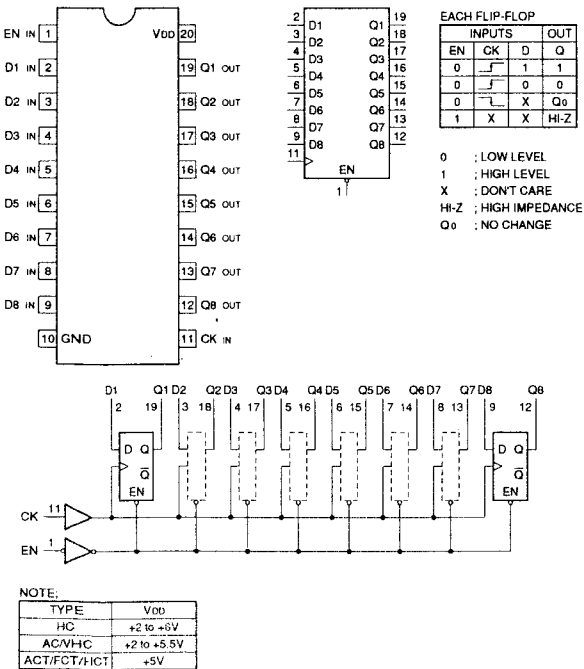
TC74VHC86F (TOSHIBA) FLAT PACKAGE

C-MOS QUAD EXCLUSIVE OR GATES  
- TOP VIEW -



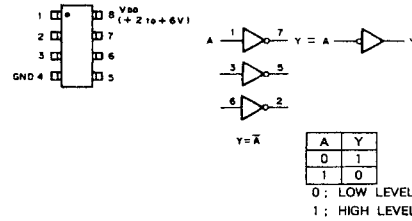
TC74VHC574F (TOSHIBA) FLAT PACKAGE  
TC74VHC574FS (EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP  
- TOP VIEW -



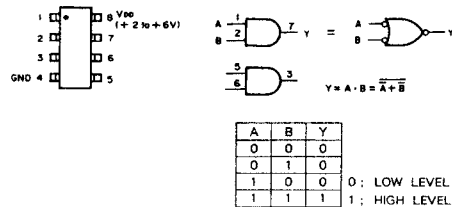
TC7W04FU (TOSHIBA) CHIP PACKAGE

C-MOS HEX INVERTERS  
- TOP VIEW -



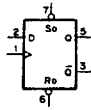
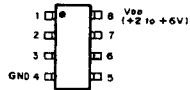
TC7W08FU (TOSHIBA) CHIP PACKAGE

C-MOS DUAL 2-INPUT AND GATE  
- TOP VIEW -



## TC7W74FU (TOSHIBA) CHIP PACKAGE

C-MOS D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET  
- TOP VIEW -

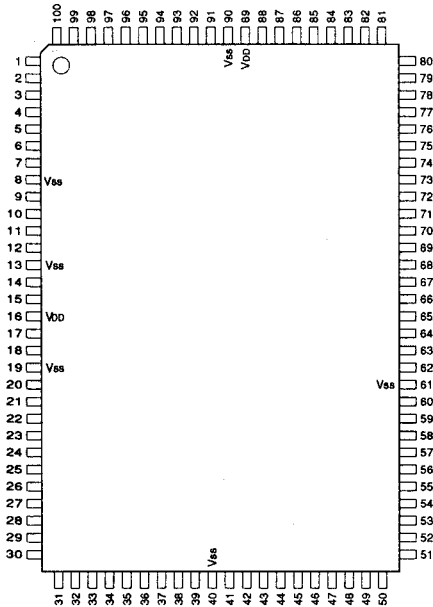


INPUTS		OUTPUTS	
Set	Rst	Q <sub>n+1</sub>	Q <sub>n</sub>
0	1	X	1
1	0	X	0
0	0	X	1
1	1	1	1
1	1	0	0
1	1	X	Q <sub>n</sub>

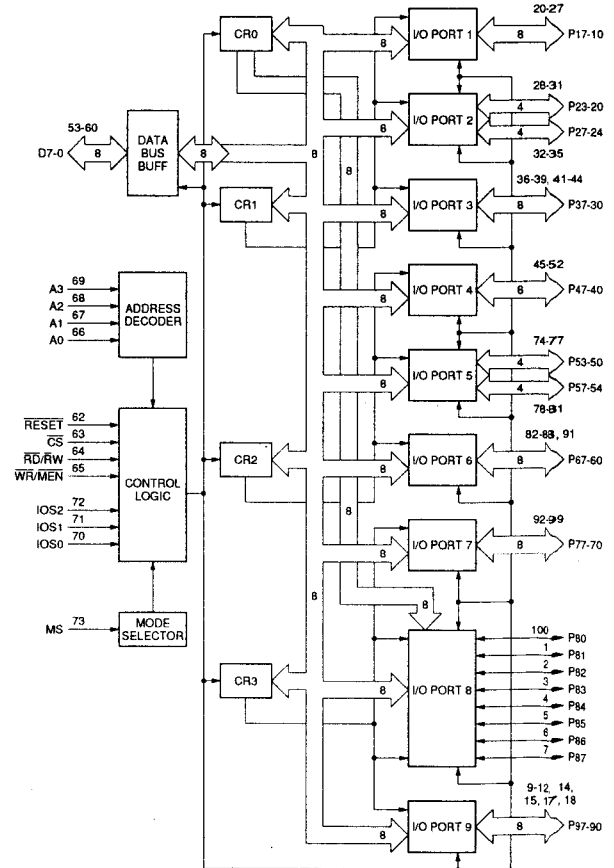
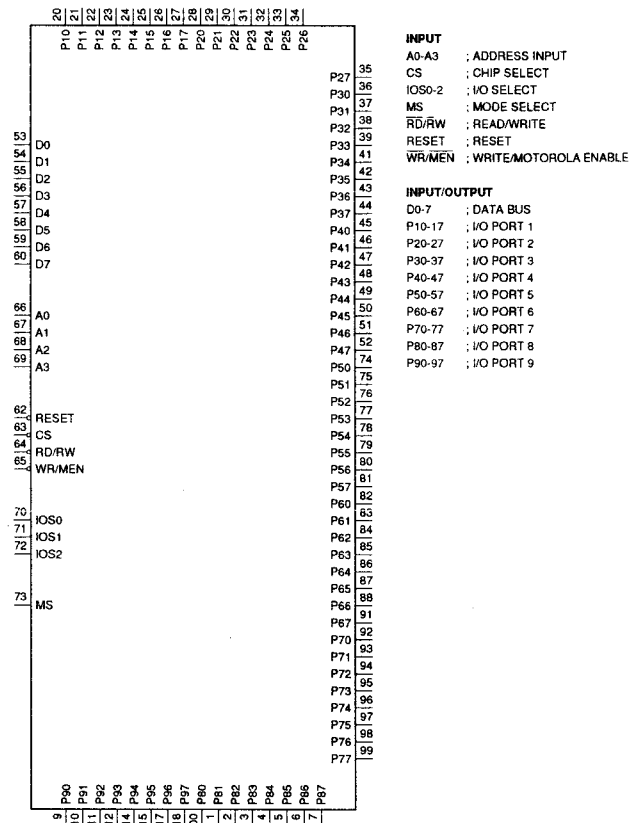
0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

## TE7751 (TKE)

C-MOS SUPER I/O EXPANDER (8 BIT × 9 CH)  
- TOP VIEW -

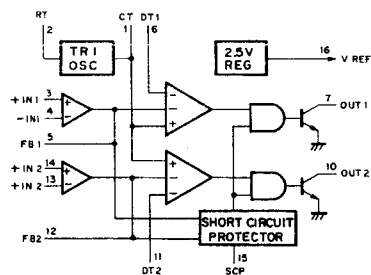
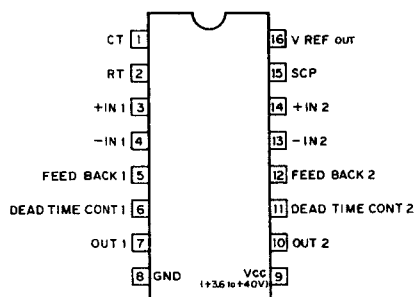


PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	P81	26	I/O	P16	51	I/O	P46	76	I/O	P52
2	I/O	P82	27	I/O	P17	52	I/O	P47	77	I/O	P53
3	I/O	P83	28	I/O	P20	53	I/O	D0	78	I/O	P54
4	I/O	P84	29	I/O	P21	54	I/O	D1	79	I/O	P55
5	I/O	P85	30	I/O	P22	55	I/O	D2	80	I/O	P56
6	I/O	P86	31	I/O	P23	56	I/O	D3	81	I/O	P57
7	I/O	P87	32	I/O	P24	57	I/O	D4	82	I/O	P60
8	-	V <sub>SS</sub>	33	I/O	P25	58	I/O	D5	83	I/O	P61
9	I/O	P90	34	I/O	P26	59	I/O	D6	84	I/O	P62
10	I/O	P91	35	I/O	P27	60	I/O	D7	85	I/O	P63
11	I/O	P92	36	I/O	P30	61	-	V <sub>SS</sub>	86	I/O	P64
12	I/O	P93	37	I/O	P31	62	I	RESET	87	I/O	P65
13	-	V <sub>SS</sub>	38	I/O	P32	63	I	CS	88	I/O	P66
14	I/O	P94	39	I/O	P33	64	I	RD/RW	89	-	V <sub>DD</sub>
15	I/O	P95	40	-	V <sub>SS</sub>	65	I	WR/MEN	90	-	V <sub>SS</sub>
16	-	V <sub>DD</sub>	41	I/O	P34	66	I	A0	91	I/O	P67
17	I/O	P96	42	I/O	P35	67	I	A1	92	I/O	P70
18	I/O	P97	43	I/O	P36	68	I	A2	93	I/O	P71
19	-	V <sub>SS</sub>	44	I/O	P37	69	I	A3	94	I/O	P72
20	I/O	P10	45	I/O	P40	70	I	IOS0	95	I/O	P73
21	I/O	P11	46	I/O	P41	71	I	IOS1	96	I/O	P74
22	I/O	P12	47	I/O	P42	72	I	IOS2	97	I/O	P75
23	I/O	P13	48	I/O	P43	73	I	MS	98	I/O	P76
24	I/O	P14	49	I/O	P44	74	I/O	P50	99	I/O	P77
25	I/O	P15	50	I/O	P45	75	I/O	P51	100	I/O	P80



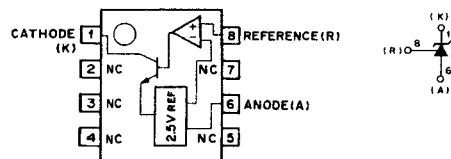
TL1451ACNS (TI) FLAT PACKAGE  
TL1451ACPW (TI) FLAT PACKAGE (SMALL)

DUAL PWM POWER CONTROLLER  
- TOP VIEW -



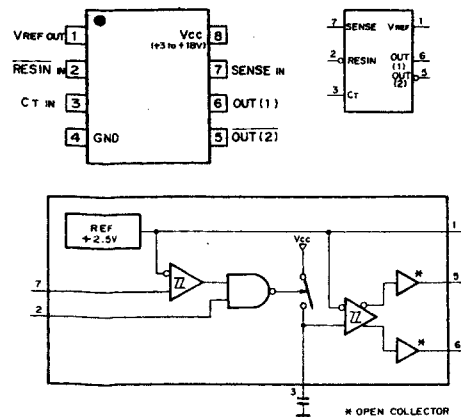
TL431CML (MOTOROLA) FLAT PACKAGE

PROGRAMMABLE SHUNT REGULATOR DIODE  
- TOP VIEW -



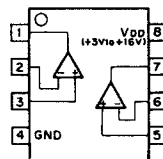
TL7705ACPS (TI) FLAT PACKAGE

POWER VOLTAGE SUPERVISOR  
- TOP VIEW -



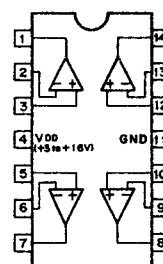
TLC272CPW (TI)

OPERATIONAL AMPLIFIER  
- TOP VIEW -



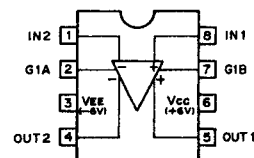
TLC274CPW (TI) FLAT PACKAGE

C-MOS OPERATIONAL AMPLIFIER  
- TOP VIEW -



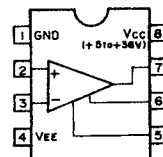
UPC1663G (NEC) FLAT PACKAGE

WIDEBAND VIDEO AMPLIFIER  
- TOP VIEW -



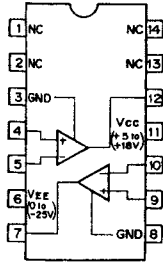
UPC311G2 (NEC) FLAT PACKAGE

VOLTAGE COMPARATOR  
- TOP VIEW -



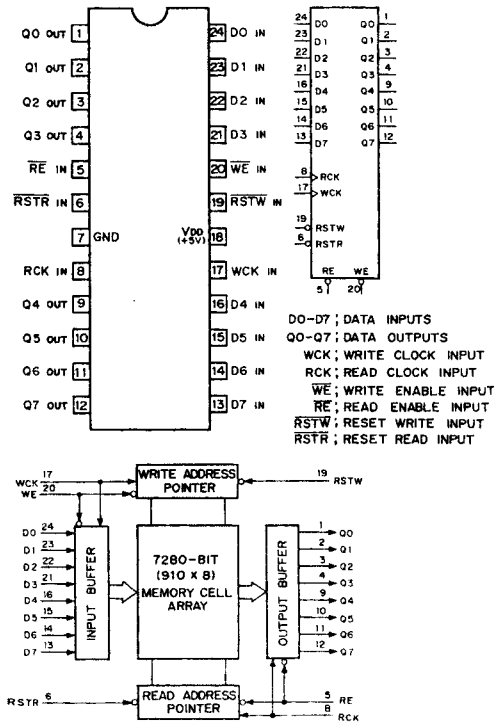
UPC319G2 (NEC) FLAT PACKAGE

DUAL VOLTAGE COMPARATOR  
- TOP VIEW -



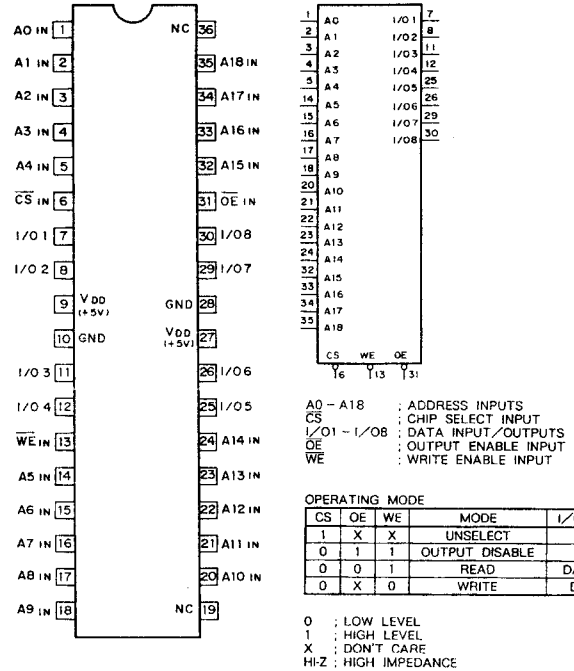
UPD42101G-3 (NEC) FLAT PACKAGE

C-MOS 7K (910 x 8) -BIT FIFO MEMORY  
- TOP VIEW -



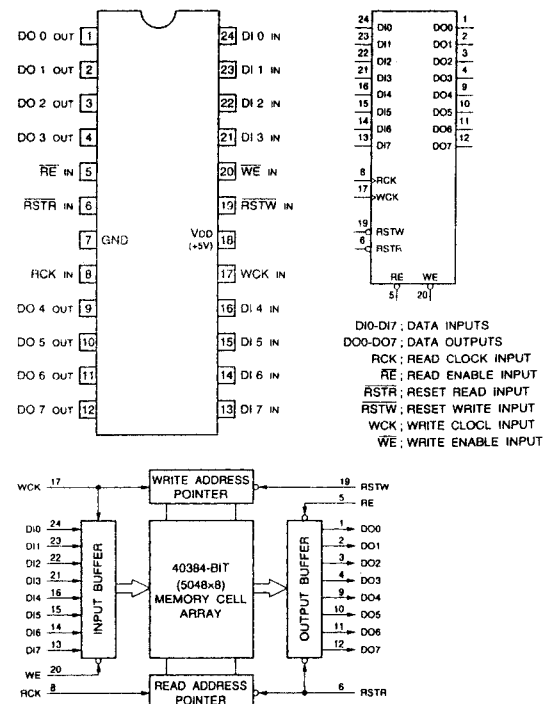
UPD434008LE-20 (NEC) CHIP CARRIER

C-MOS 4M (524288 WORD x 8) -BIT STATIC RAM  
- TOP VIEW -



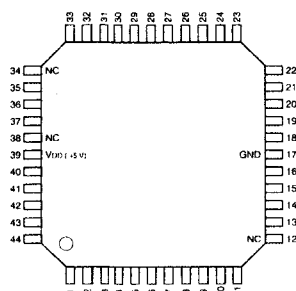
UPD485505G-35 (NEC) FLAT PACKAGE

C-MOS 40K (5,048 x 8) -BIT FIFO MEMORY  
- TOP VIEW -





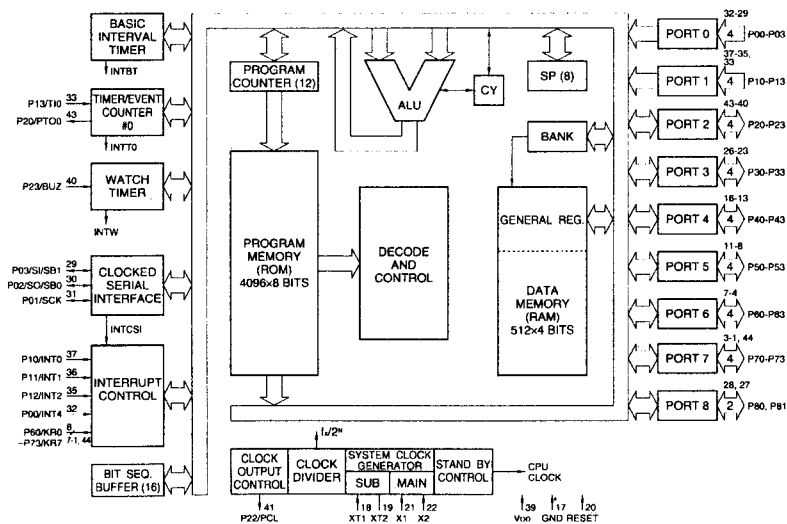
## UPD75004GB-3B4 (NEC)

C-MOS 4-BIT SINGLE CHIP  
- TOP VIEW -

(V<sub>DD</sub> = +5 V)

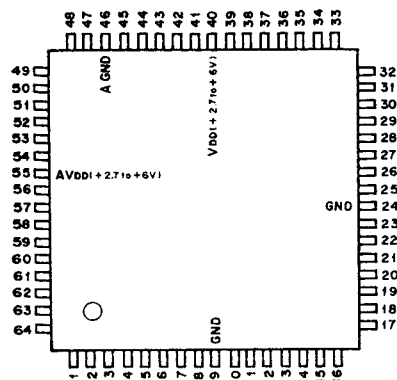
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	P72/KR6	12	—	NC	23	I/O	P33	34	—	NC
2	I/O	P71/KR5	13	I/O	P43	24	I/O	P32	35	I	P12/INT2
3	I/O	P70/KR4	14	I/O	P42	25	I/O	P31	36	I	P11/INT1
4	I/O	P63/KR3	15	I/O	P41	26	I/O	P30	37	I	P10/INT0
5	I/O	P62/KR2	16	I/O	P40	27	I/O	P27	38	—	NC
6	I/O	P61/KR1	17	—	GND	28	I/O	P26	39	—	V <sub>DD</sub>
7	I/O	P60/KR0	18	I	XT1	29	I/O	P25/SB1	40	I/O	P23/BUZ
8	I/O	P53	19	—	XT2	30	I/O	P24/SB0	41	I/O	P22/PCL
9	I/O	P52	20	I	RESET	31	I/O	P01/SCK	42	I/O	P21
10	I/O	P51	21	I	X1	32	I	P00/INT4	43	I/O	P20/PT00
11	I/O	P50	22	I	X2	33	I	P13/TIO	44	I/O	P73/KR7

32	P00/INT4	P40	16	INPUT
31	P01/SCK	P41	15	INT0
30	P02/SO/SB0	P42	14	INT1
29	P03/SVSB1	P43	13	INT4
37	P10/INT0	P50	11	INT2
36	P11/INT1	P51	10	KR0 - KR7; KEY RETURN
35	P12/INT2	P52	9	P10 - P13; PORT 1
33	P13/TIO	P53	8	RESET ; SYSTEM RESET
43	P20/PT00	P60/KR0	7	SI ; SERIAL DATA
42	P21	P61/KR1	6	TIO ; TIMER INPUT 0
41	P22/PCL	P62/KR2	5	X1, X2 ; MAIN SYSTEM XTAL
40	P23/BUZ	P63/KR3	4	XT1, XT2 ; SUB SYSTEM XTAL
26	P30	P70/KR4	3	OUTPUT
25	P31	P71/KR5	2	BUZ ; BUZZER CLOCK
24	P32	P72/KR6	1	PCL ; PROGRAMMABLE CLOCK
23	P33	P73/KR7	44	PT00 ; PROGRAMMABLE TIMER OUTPUT 0
18	XT1	P80	28	SO ; SERIAL DATA
19	XT2	P81	27	INPUT/OUTPUT
20	RESET			P00 - P03 ; PORT 0
21	X1			P20 - P23 ; PORT 2
22	X2			P30 - P33 ; PORT 3
				P40 - P43 ; PORT 4
				P50 - P53 ; PORT 5
				P60 - P63 ; PORT 6
				P70 - P73 ; PORT 7
				P80 - P81 ; PORT 8
				SCK ; SERIAL CLOCK
				SB0, SB1 ; SERIAL BUS 0, 1



## UPD78P014GC-AB8 (NEC)

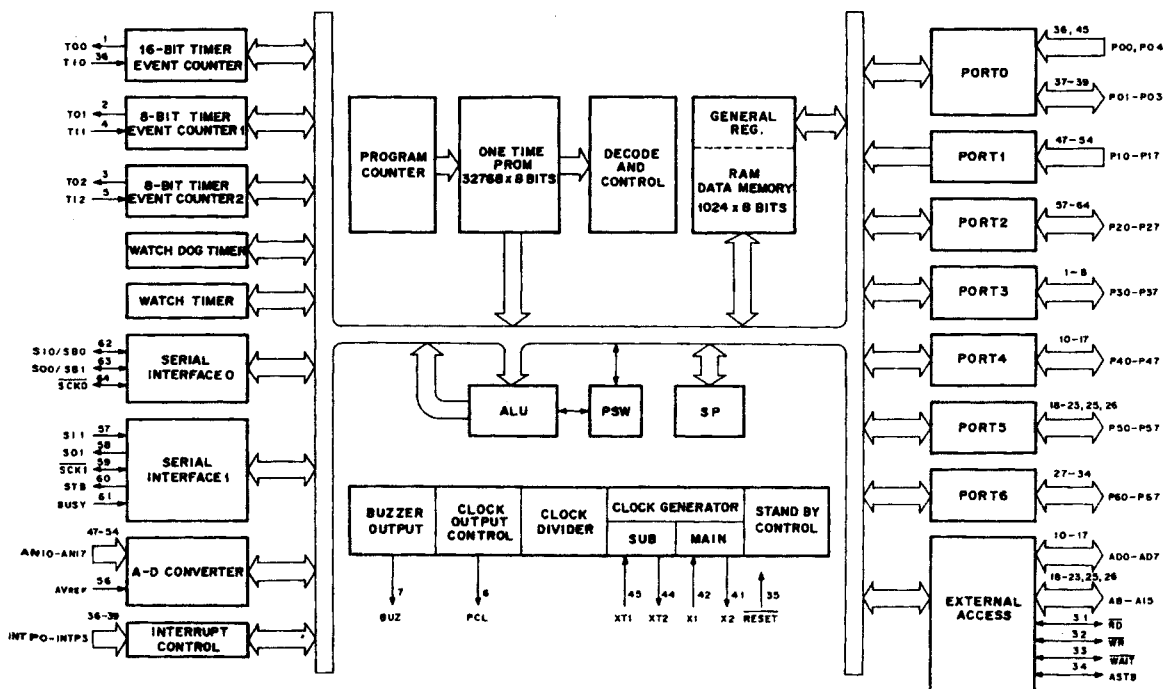
C-MOS 8-BIT SINGLE CHIP MICROCOMPUTER WITH ONE TIME PROM  
- TOP VIEW -



(AVDD = VDD = +2.7 to +6 V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	P30/T00	17	I/O	P47/AD7	33	I/O	P66/WAIT	49	I	P12/ANI2
2	I/O	P31/TO1	18	I/O	P50/A8	34	I/O	P67/ASTB	50	I	P13/ANI3
3	I/O	P32/TO2	19	I/O	P51/A9	35	I	RESET	51	I	P14/ANI4
4	I/O	P33/TI1	20	I/O	P52/A10	36	I	P00/INTP0/TI0	52	I	P15/ANI5
5	I/O	P34/TI2	21	I/O	P53/A11	37	I/O	P01/INTP1	53	I	P16/ANI6
6	I/O	P35/PCL	22	I/O	P54/A12	38	I/O	P02/INTP2	54	I	P17/ANI7
7	I/O	P36/BUZ	23	I/O	P55/A13	39	I/O	P03/INTP3	55	-	AVDD
8	I/O	P37	24	I/O	GND	40	-	VDD	56	-	AVREF
9	-	GND	25	I/O	P56/A14	41	O	X2	57	I/O	P20/SI1
10	I/O	P40/AD0	26	I/O	P57/A15	42	I	X1	58	I/O	P21/SO1
11	I/O	P41/AD1	27	I/O	P60	43	-	VDD	59	I/O	P22/SCK1
12	I/O	P42/AD2	28	I/O	P61	44	-	XT2	60	I/O	P23/STB
13	I/O	P43/AD3	29	I/O	P62	45	I	P04/XT1	61	I/O	P24/BUSY
14	I/O	P44/AD4	30	I/O	P63	46	-	A GND	62	I/O	P25/SI0/SB0
15	I/O	P45/AD5	31	I/O	P64/RD	47	I	P10/ANI0	63	I/O	P26/SO0/SB1
16	I/O	P46/AD6	32	I/O	P65/WR	48	I	P11/ANI1	64	I/O	P27/SCK0

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
35	-	RESET	51	I	P14/ANI4	61	I/O	P24/BUSY	1	I/O	P30/T00
41	X2		52	I	P15/ANI5	62	I/O	P25/SI0/SB0	2	I/O	P31/TO1
42	X1		53	I	P16/ANI6	63	I/O	P26/SO0/SB1	3	I/O	P32/TO2
44	XT2		54	I	P17/ANI7	64	I/O	P27/SCK0	4	I/O	P33/TI1
36	P00/INTP0/TI0		55	-	AVDD	1	I/O	P30/T00	5	I/O	P34/TI2
37	P01/INTP1		56	-	AVREF	2	I/O	P31/TO1	6	I/O	P35/PCL
38	P02/INTP2		57	I/O	P20/SI1	3	I/O	P32/TO2	7	I/O	P36/BUZ
39	P03/INTP3		58	I/O	P21/SO1	4	I/O	P33/TI1	8	I/O	P37
43	P04/XT1		59	I/O	P22/SCK1	5	I/O	P34/TI2	9	-	GND
56	AVREF		60	I/O	P23/STB	6	I/O	P35/PCL	10	I/O	P40/AD0
47	P10/ANI0		61	I/O	P24/BUSY	7	I/O	P36/BUZ	11	I/O	P41/AD1
48	P11/ANI1		62	I/O	P25/SI0/SB0	8	I/O	P37	12	I/O	P42/AD2
49	P12/ANI2		63	I/O	P26/SO0/SB1	9	-	GND	13	I/O	P43/AD3
50	P13/ANI3		64	I/O	P27/SCK0	10	I/O	P40/AD0	14	I/O	P44/AD4
51	I	P14/ANI4	1	I/O	P30/T00	11	I/O	P41/AD1	15	I/O	P45/AD5
52	I	P15/ANI5	2	I/O	P31/TO1	12	I/O	P42/AD2	16	I/O	P46/AD6
53	I	P16/ANI6	3	I/O	P32/TO2	13	I/O	P43/AD3	17	I/O	P47/AD7
54	I	P17/ANI7	4	I/O	P34/TI2	14	I/O	P44/AD4	18	I/O	P50/A8
55	-	AVDD	5	I/O	P35/PCL	15	I/O	P45/AD5	19	I/O	P51/A9
56	-	AVREF	6	I/O	P36/BUZ	16	I/O	P46/AD6	20	I/O	P52/A10
57	I/O	P20/SI1	7	I/O	P37	17	I/O	P47/AD7	21	I/O	P53/A11
58	I/O	P21/SO1	8	I/O	P37	18	I/O	P50/A8	22	I/O	P54/A12
59	I/O	P22/SCK1	9	-	GND	19	I/O	P51/A9	23	I/O	P55/A13
60	I/O	P23/STB	10	I/O	P40/AD0	20	I/O	P52/A10	24	I/O	P56/A14
61	I/O	P24/BUSY	11	I/O	P41/AD1	21	I/O	P53/A11	25	I/O	P57/A15
62	I/O	P25/SI0/SB0	12	I/O	P42/AD2	22	I/O	P54/A12	26	I/O	P60
63	I/O	P26/SO0/SB1	13	I/O	P43/AD3	23	I/O	P55/A13	27	I/O	P61
64	I/O	P27/SCK0	14	I/O	P44/AD4	24	I/O	P56/A14	28	I/O	P62
			15	I/O	P45/AD5	25	I/O	P57/A15	29	I/O	P63
			16	I/O	P46/AD6	26	I/O	P60	30	I/O	P64/RD
			17	I/O	P47/AD7	27	I/O	P61	31	I/O	P65/WR
			18	I/O	P50/A8	28	I/O	P62	32	I/O	P66/ASTB
			19	I/O	P51/A9	29	I/O	P63			
			20	I/O	P52/A10	30	I/O	P64/RD			
			21	I/O	P53/A11	31	I/O	P65/WR			
			22	I/O	P54/A12	32	I/O	P66/ASTB			
			23	I/O	P55/A13						
			24	I/O	P56/A14						
			25	I/O	P57/A15						
			26	I/O	P60						
			27	I/O	P61						
			28	I/O	P62						
			29	I/O	P63						
			30	I/O	P64/RD						
			31	I/O	P65/WR						
			32	I/O	P66/ASTB						





## Section 5

### Spare Parts

#### 5-1. 補修部品注意事項

##### 1. 安全重要部品

△印のついた部品は安全性を維持するために重要な部品です。したがって、交換する時は必ず指定の部品を使用してください。

##### 2. 部品の共通化

ソニーから供給する補修用部品は、セットに使われているものと異なることがあります。  
これは部品の共通化、改良等によるものです。  
部品表には現時点での共通化された補修用部品が記載されています。

##### 3. 部品の在庫

部品表の SP (Supply code) 欄に “o” で示される部品は在庫していないことがあり、納期が長くなることがあります。

##### 4. 単位の表記

下記の単位については、表記を変更または省略しています。

単位		表記
静電容量	μF	uF
インダクタンス	μH	uH
抵抗値	Ω	省略
温度	°C	XXX-DEG-C

##### 5. 仕向区分の表記

部品表中、下記表示のある部品は、次に示すモデルで使用している部品です。

for J : 日本向けモデルに使用  
for UC : USAおよびカナダ向けモデルに使用  
for SY : 上記以外向けモデルに使用  
for NTSC : DVW-250に使用  
for PAL : DVW-250Pに使用

#### 5-1. Notes on Repair Parts

##### 1. Safety Related Components Warning

Components marked △ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

##### 2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.  
Parts list has the present standardized repair parts.

##### 3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the spare parts list may be not stocked. Therefore, the delivery date will be delayed.

##### 4. Units Representation

The following represented units are changed or omitted in writing.

Units		Representation
Capacitance	μF	uF
Inductance	μH	uH
Resistance		Abbreviation
Temperature	°C	XXX-DEG-C

##### 5. Destination Representation

The part indicated “for J/UC/SY” in the spare parts list is used in the unit written below.

for J : The part is used in a unit for Japan.  
for UC : The part is used in a unit for U.S.A. and Canada.  
for SY : The part is used in a unit for regions except the above countries.  
for NTSC : The part is used in the NTSC model.  
for PAL : The part is used in the PAL model.

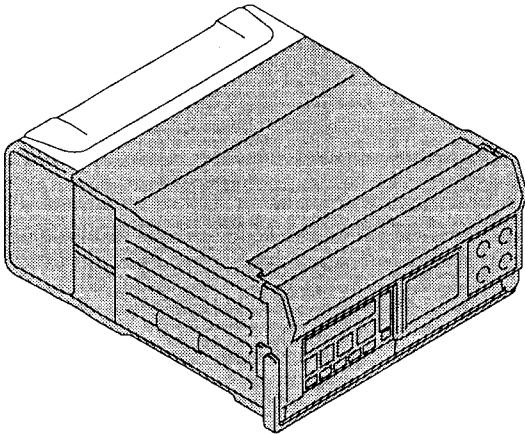
## 5-2. Exploded Views

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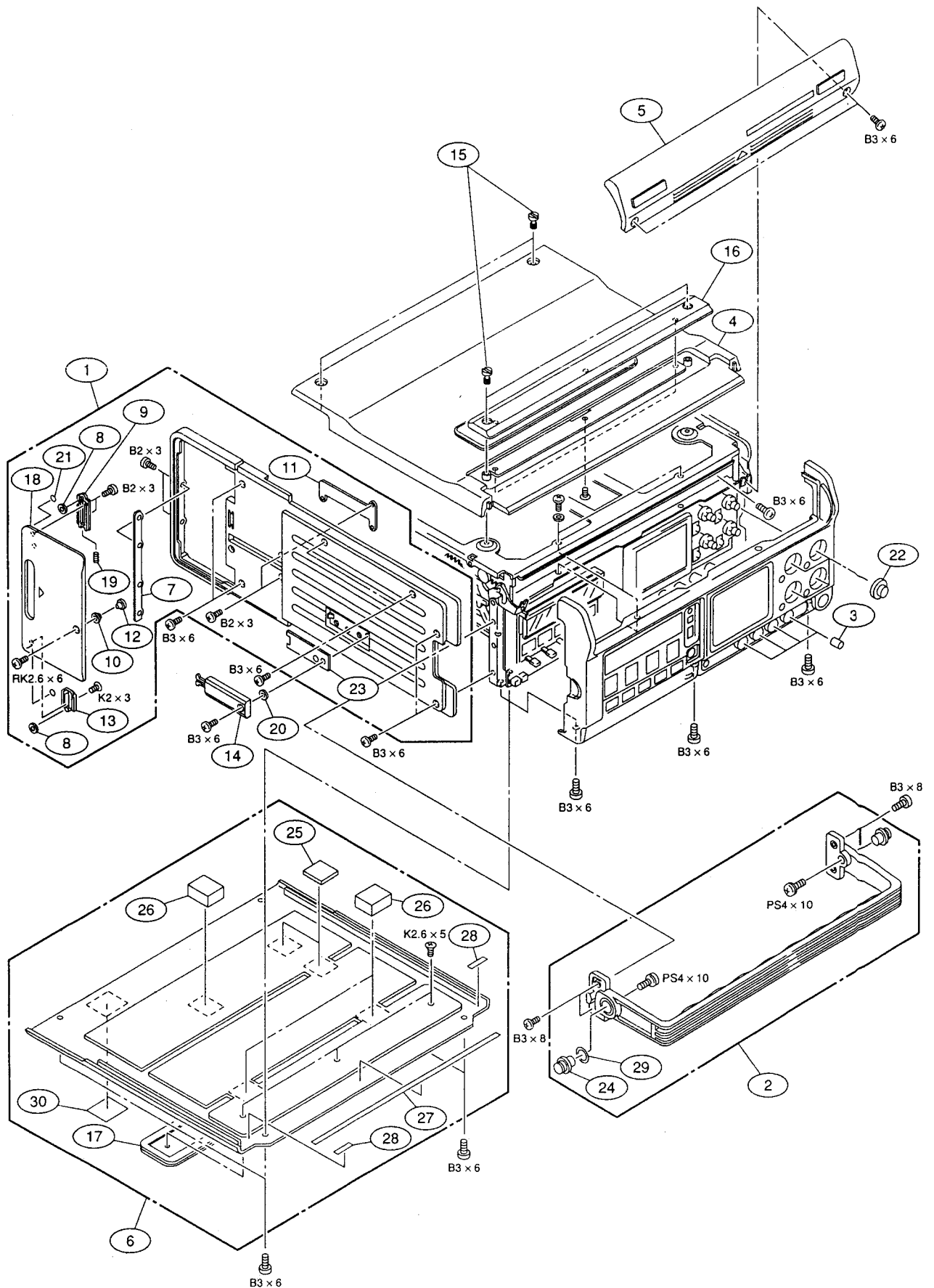
Item	Title	Page
Upper plate Bottom plate Handle Cabinet (left) Battery lid	TOP AND BOTTOM PANELS	5-4
Rear cabinet Battery retainer Battery connector	BATTERY CASE	5-6
Front panel assembly Switch buttons Switch knobs	FRONT PANEL	5-8
Connectors Fuse CP-260 board CC-66 board	CONNECTOR PANEL	5-10
Display modules KY-315 board ADA-44 board SST-33 board	FRONT CHASSIS AND MOUNTED CIRCUIT BOARDS	5-12
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S-side reel table T-side reel table Slide link SE-233 board	S/T REEL TABLES	5-18
Drum assembly Brush Slip ring S-side reel motor S-side brake Driving belt	DRUM AND S-SIDE REEL MOTOR	5-20
CTL head FE head Video head cleaner Tape guide (S3)	CTL HEAD AND VIDEO HEAD CLEANER	5-22
Tension regulator S-side drawing arm Tape guide (S4,S5)	TENSION REGULATOR AND S-SIDE DRAWING ARM	5-24
S-side rail S-side slider S-side catcher S-side threading gear Tape guide (S1,S2)	S-SIDE THREADING LINK	5-26

Item	Title	Page
T-side rail T-side slider T-side catcher T-side threading gear Tape guide (T1,T2)	T-SIDE THREADING LINK	5-28
CUE/TC head CUE brush Capstan motor	CUE/TC HEAD AND CAPSTAN MOTOR	5-30
T-side reel motor T-side brake Drive belt Pinch pressing arm Pinch pressing plunger	T-SIDE REEL MOTOR AND PINCH PRESS BLOCK	5-32
Treading motor Gear block Manual eject gear	THREADING MOTOR AND GEAR TRAIN	5-34
Pinch roller arm T-side drawing arm CUE link DET-26 board Tape guide (T3)	CUE LINK AND PINCH ARM	5-36

## TOP AND BOTTOM PANELS

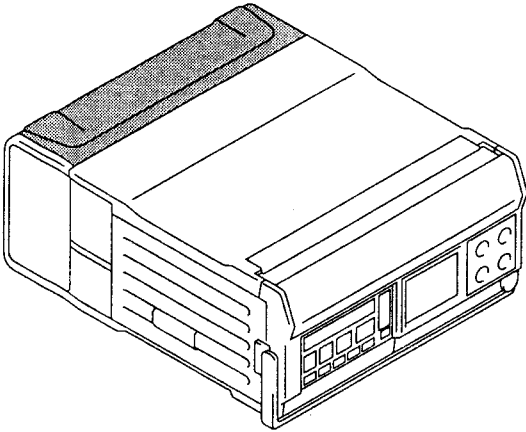


No.	Part No.	SP Description
1	A-8269-457-A	o CABINET (LEFT) ASSY
2	A-8278-239-A	o ASSY, HANDLE
3	X-3664-208-0	s KNOB ASSY, FADE
4	X-3678-394-2	o PLATE SUB ASSY, UPPER
5	X-3678-398-1	o COVER ASSY, FRONT (for J, UC)
	X-3678-413-1	o COVER ASSY, FRONT (for SY)
6	X-3678-463-1	o PLATE SUB ASSY, BOTTOM
7	3-169-331-01	o BRACKET, CABINET (REAR)
8	3-169-346-01	s ROLLER (A)
9	3-169-347-05	o HOLDER (B), ROLLER
10	3-169-348-02	s ROLLER (B)
11	3-169-349-11	o COVER, ROLLER
12	3-169-350-02	s SHAFT, BT ROLLER
13	3-169-351-05	o HOLDER (A), ROLLER
14	3-169-406-21	o COVER, L SUB
15	3-169-407-02	s SCREW, LID
16	3-169-517-01	o CUSHION (UPPER), ER
17	3-169-524-01	o CUSHION (LOWER), ER
18	3-169-530-21	o LID, BT
19	3-644-718-00	s SPRING, COMPRESSION
20	3-669-596-01	s WASHER (2.3), STOPPER
21	3-682-543-00	s RETAINER, FLYWHEEL
22	3-691-399-01	s KNOB, VR
23	3-691-506-01	o PLATE, ORNAMENTAL
24	3-693-977-01	o SHAFT, HANDLE
25	3-694-126-01	o SHEET (S), VENTILATION
26	3-694-127-01	o SHEET (L), VENTILATION
27	3-694-128-01	o CUSHION (L)
28	3-694-129-01	o CUSHION (S)
29	3-728-663-01	s RING (P7), O
30	3-921-816-01	s LABEL, NI-CD RECYCLE

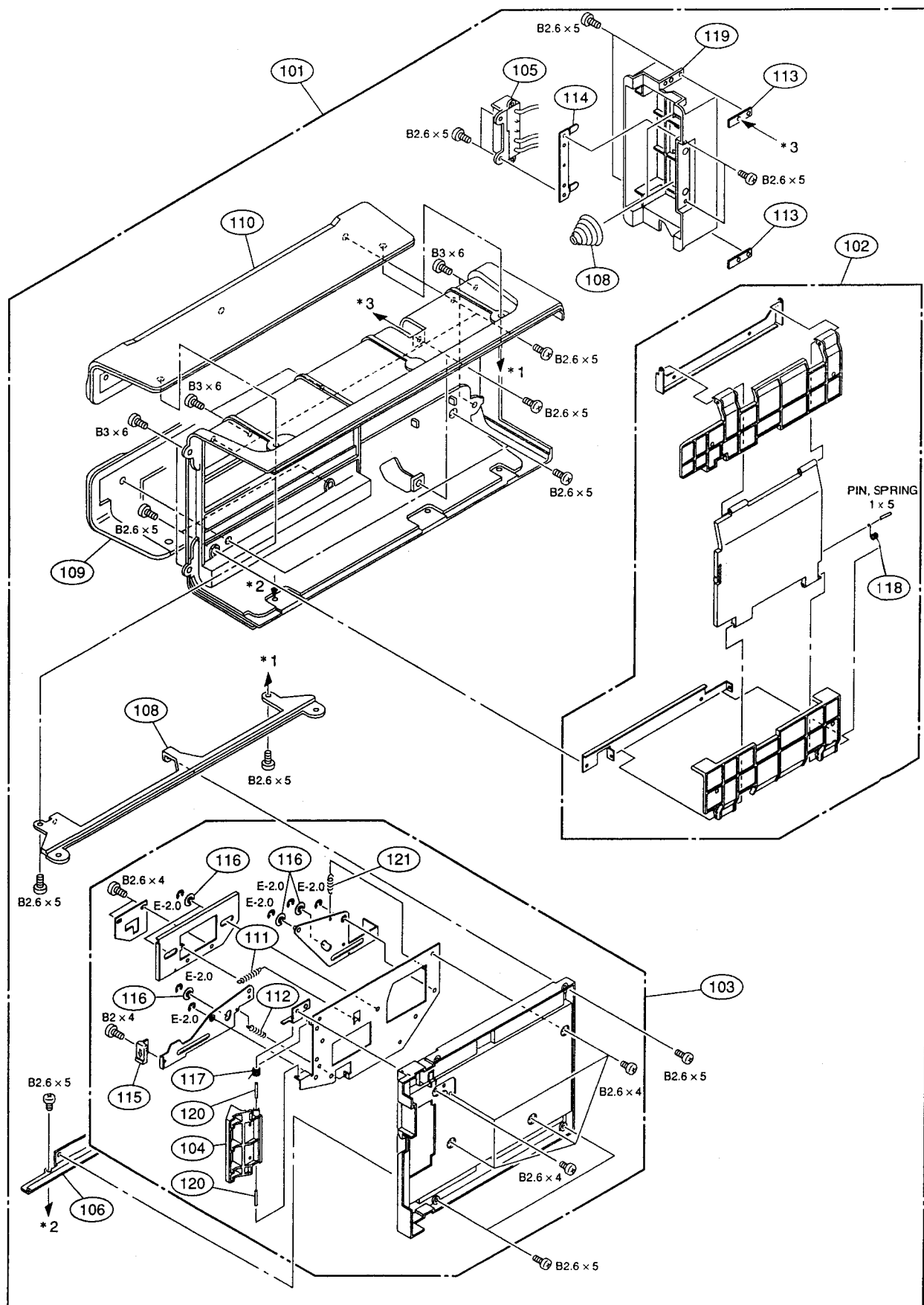




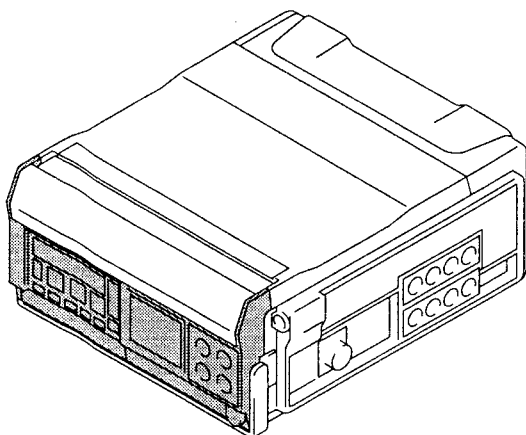
## **BATTERY CASE**



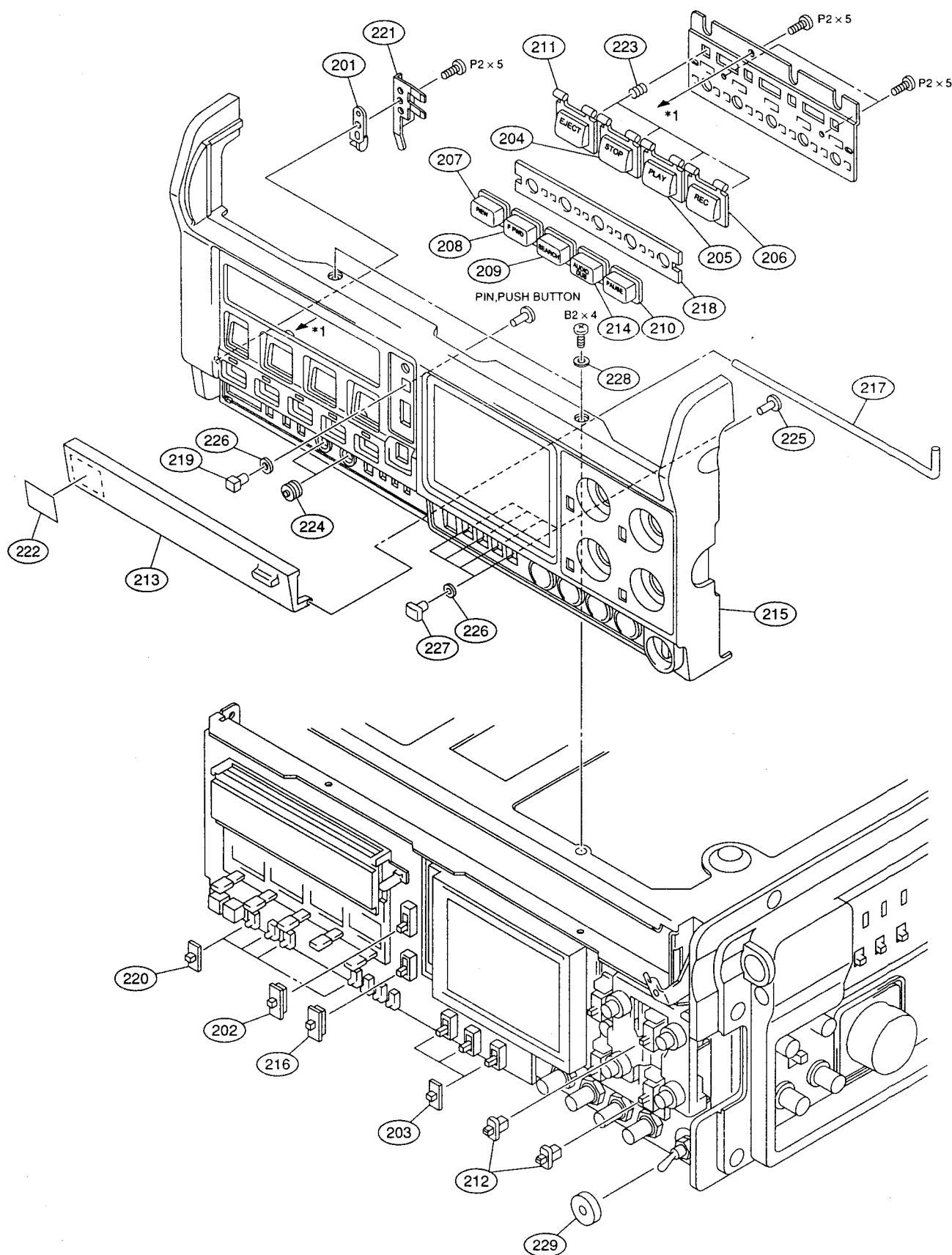
No.	Part No.	SP Description
101	A-8269-458-A	o CABINET (REAR) ASSY
102	A-8278-224-D	o PARTITION ASSY
103	A-8278-225-G	o PARTITION ASSY,CASE
104	X-3678-499-1	s ASSY,ARM,LOCK
105	1-955-096-12	o HARNESS, BATT-CON
106	3-169-347-05	o HOLDER (B), ROLLER
107	3-169-424-01	s SPRING, COMPRESSION
108	3-169-543-01	o BRACKET (A), BT
109	3-169-569-01	o CUSHION (B)
110	3-169-570-01	o CUSHION (A)
111	3-308-704-00	s SPRING, TENSION
112	3-328-345-01	s SPRING, TENSION
113	3-691-393-01	o BRACKET,CASE
114	3-691-394-01	o BRACKET,CONNECTOR
115	3-691-518-01	o PUSH BUTTON
116	3-691-526-01	o ROLLER
117	3-691-534-02	o SPRING(2),RETURN,ARM
118	3-691-535-01	o SPRING(4),RETURN,ARM
119	3-691-595-02	o RETAINER, BATTERY
120	3-703-357-06	1 PIN, PARALLEL (DIA. 1.6X14)
121	4-606-856-01	s SPRING, TENSION



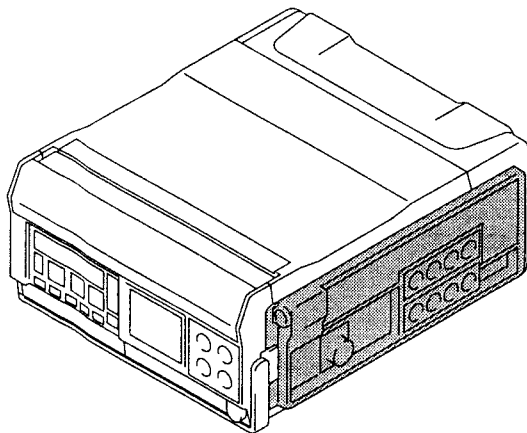
## FRONT PANEL



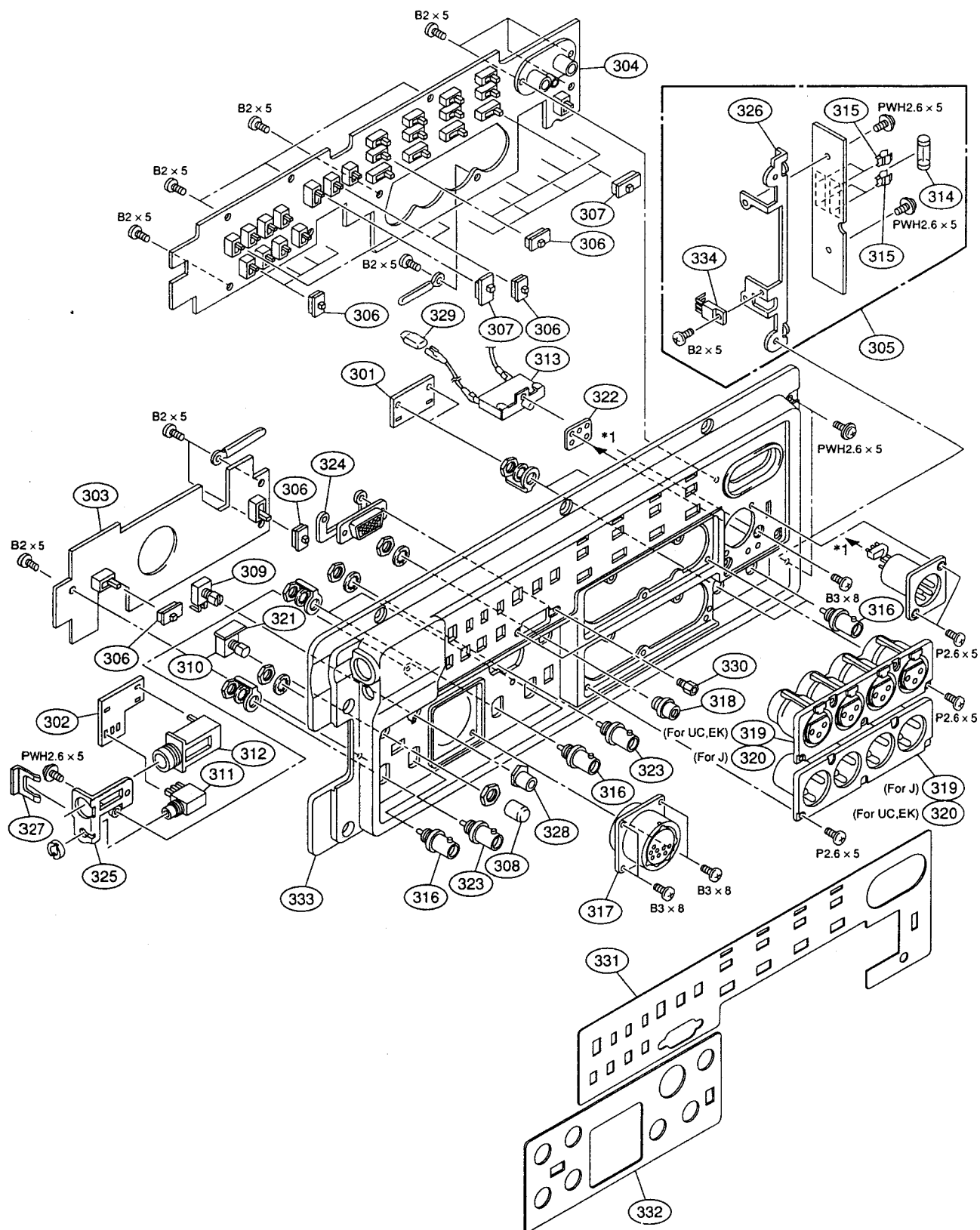
No.	Part No.	SP Description
201	X-3165-755-1	o RETAINER ASSY, TOGGLE
202	X-3165-862-1	s KNOB ASSY (3P)
203	X-3165-863-1	s KNOB ASSY (2P)
204	X-3166-129-1	o BUTTON ASSY (STOP)
205	X-3166-130-1	o BUTTON ASSY (PLAY)
206	X-3166-131-1	o BUTTON ASSY (REC)
207	X-3166-132-1	o BUTTON ASSY (REW)
208	X-3166-133-1	o BUTTON ASSY (F FWD)
209	X-3166-134-1	o BUTTON ASSY (SEARCH)
210	X-3166-136-1	o BUTTON ASSY (PAUSE)
211	X-3166-137-1	o BUTTON ASSY (EJECT)
212	X-3678-392-1	o KNOB ASSY, SELECTION
213	X-3678-395-1	o COVER ASSY, TC
214	X-3678-396-1	o BUTTON ASSY (CUE DUB)
215	X-3678-397-2	o PANEL(N) SUB ASSY, FRONT
		(for J, UC)
	X-3678-418-2	o PANEL(P) SUB ASSY, FRONT (for SY)
216	X-3719-113-1	s KNOB ASSY
217	3-169-388-01	o SHAFT, TC COVER
218	3-169-389-01	o CUSHION, KEY
219	3-169-390-01	s BUTTON, RESET
220	3-170-161-01	s KNOB, SW
221	3-173-283-02	o PLATE, GROUND, FP
222	3-184-994-01	o ISR STICKER(S)
223	3-571-850-00	s SPRING, COMPRESSION
224	3-676-244-11	s COVER, SW
225	3-686-085-01	o PIN, PUSH BUTTON
226	3-686-086-01	o CUSHION, BUTTON
227	3-691-507-01	o BUTTON, MENU
228	3-701-437-21	s WASHER
229	3-729-007-01	o PLATE, ORNAMENTAL, TOGGLE SW



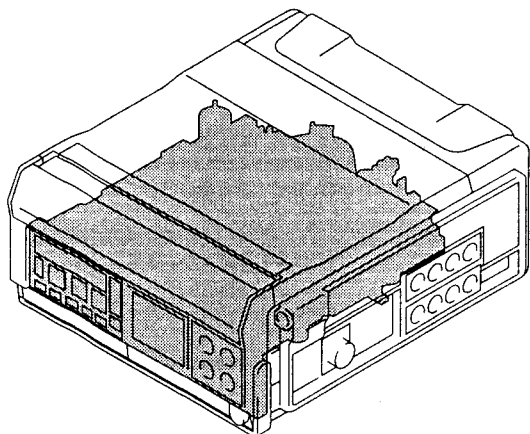
## CONNECTOR PANEL



No.	Part No.	SP Description
301	A-8272-756-A	o MOUNTED CIRCUIT BOARD, CON-18
302	A-8272-757-A	o MOUNTED CIRCUIT BOARD, DUS-339
303	A-8276-932-A	o MOUNTED CIRCUIT BOARD, CC-66
304	A-8276-936-A	o MOUNTED CIRCUIT BOARD, CP-260J (for J)
	A-8276-934-A	o MOUNTED CIRCUIT BOARD, CP-260 (for UC, SY)
305	A-8276-938-A	o MOUNTED CIRCUIT BOARD, FU-63
306	X-3166-331-1	s KNOB ASSY (2 POSI)
307	X-3166-332-1	s KNOB ASSY (3 POSI)
308	X-3682-814-0	s KNOB ASSY, CONTROL
309	1-241-521-11	s RES, VAR, CARBON 5K
310	1-241-577-11	s RES, VAR, CARBON 20K/20K
311	1-507-743-21	s JACK, STEREO MINIATURE
312	1-507-863-51	s JACK, LARGE TYPE
313	Δ 1-532-525-31	s BREAKER, CIRCUIT
314	Δ 1-532-749-11	s FUSE, GLASS TUBE
315	1-533-189-11	s HOLDER, FUSE
316	1-561-336-00	s CONNECTOR, COAXIAL
317	1-562-245-11	o RECEPTACLE, CONNECTOR 26P
318	1-565-072-11	s CONNECTOR, ROUND TYPE (RF) 4P
319	1-566-616-11	s CONNECTOR, XLR (F) (4 GANG) 3P
320	1-566-617-11	s CONNECTOR, XLR (M) (4 GANG) 3P
321	1-657-814-11	o PRINTED CIRCUIT BOARD, VR-205
322	1-658-773-11	o PRINTED CIRCUIT BOARD, DC-85
323	1-774-157-11	s CONVERTER, COAXIAL CONNECTOR
324	2-139-018-01	s NUT (D SUB 9P), PLATE
325	3-169-382-02	o BRACKET, HEADPHONE
326	3-169-383-01	o BRACKET, PANEL
327	3-169-384-01	o PLATE, SNAP
328	3-169-385-01	o GUARD, VR
329	3-169-455-01	s SLEEVE, INSULATING
330	3-673-910-31	s SCREW, CONNECTOR
331	3-691-557-01	o SHEET(L)J, CONNECTOR PANEL (for J)
	3-691-560-01	o SHEET(L)UC, CONNECTOR PANEL (for UC, SY)
332	3-691-558-02	o SHEET(S), CONNECTOR PANEL
333	3-691-561-02	o PANEL, CONNECTOR
334	8-729-034-88	TRANSISTOR 2SK2205

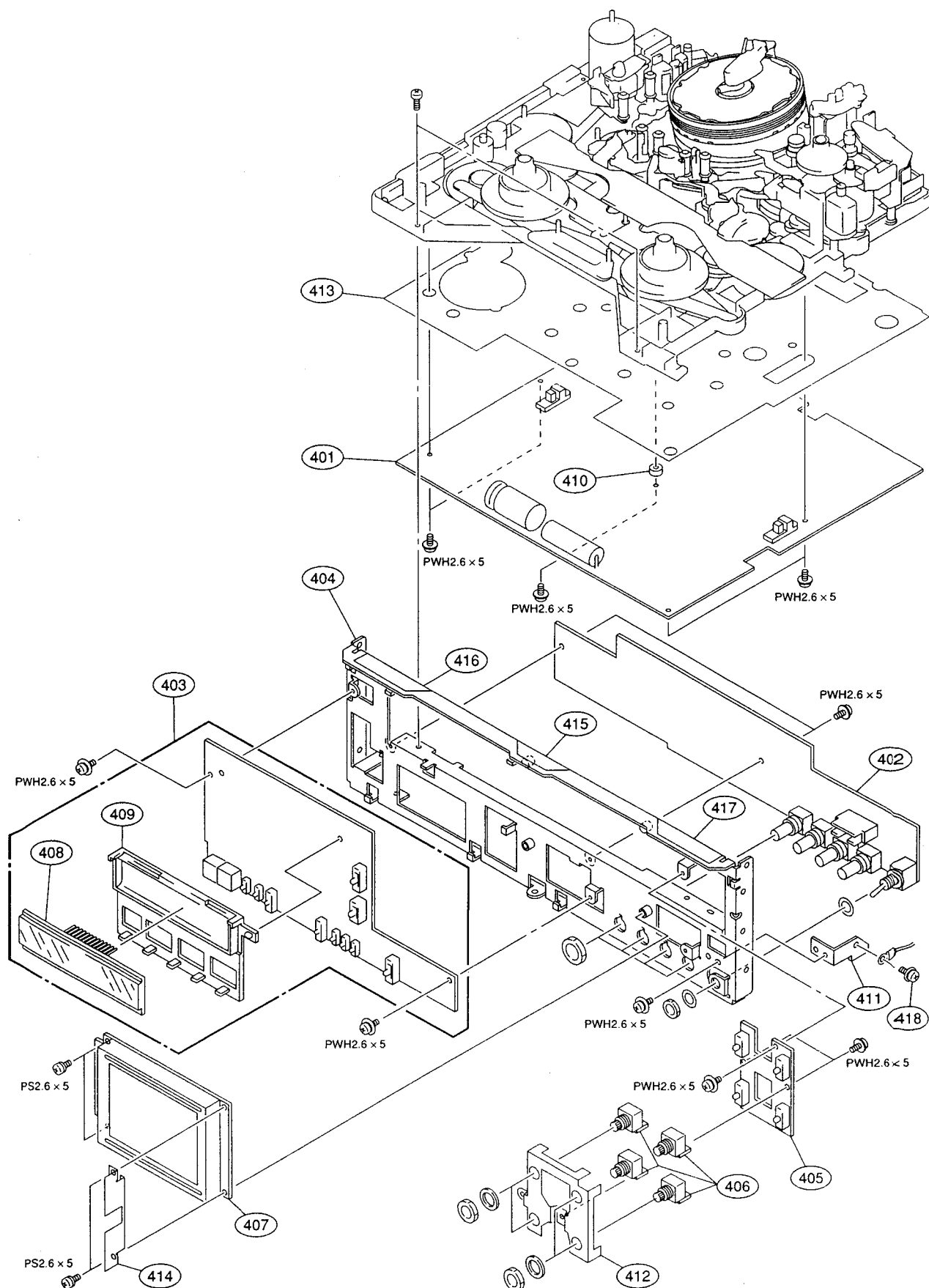


## FRONT CHASSIS AND MOUNTED CIRCUIT BOARDS



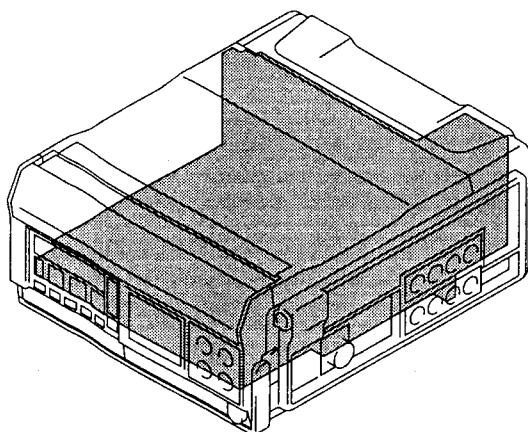
No.	Part No.	SP Description
401	A-8276-910-A	o MOUNTED CIRCUIT BOARD, SST-3 (for J, UC)
	A-8276-912-A	o MOUNTED CIRCUIT BOARD, SST-3P (for SY)
402	A-8276-930-A	o MOUNTED CIRCUIT BOARD, ADA-44
403	A-8276-948-A	o MOUNTED CIRCUIT BOARD, KY-315 (for J, UC)
	A-8276-950-A	o MOUNTED CIRCUIT BOARD, KY-315P (for, SY)
404	X-3678-391-4	o CHASSIS, FRONT ASSY
405	1-657-808-11	o PRINTED CIRCUIT BOARD, VR-194
406	1-657-809-11	o PRINTED CIRCUIT BOARD, VR-206
407	1-801-022-11	s DISPLAY MODULE, LIQUID CRYSTAL
408	1-809-345-11	s DISPLAY PANEL, LIQUID CRYSTAL
409	3-169-546-02	o HOLDER, LCD
410	3-545-567-00	o TIRE, FF
411	3-691-395-03	o PLATE, FIXED BOARD
412	3-691-398-01	o PLATE, BRACKET VOLUME
413	3-691-580-02	o INSULATOR, SST
414	3-695-882-01	o PLATE, SHIELD
415	3-695-883-02	o TAPE(M), PROTECTOR
416	3-695-884-02	o TAPE(L), PROTECTOR
417	3-695-885-02	o TAPE(R), PROTECTOR
418	4-950-558-02	o SCREW (S)

# FRONT CHASSIS AND MOUNTED CIRCUIT BOARDS



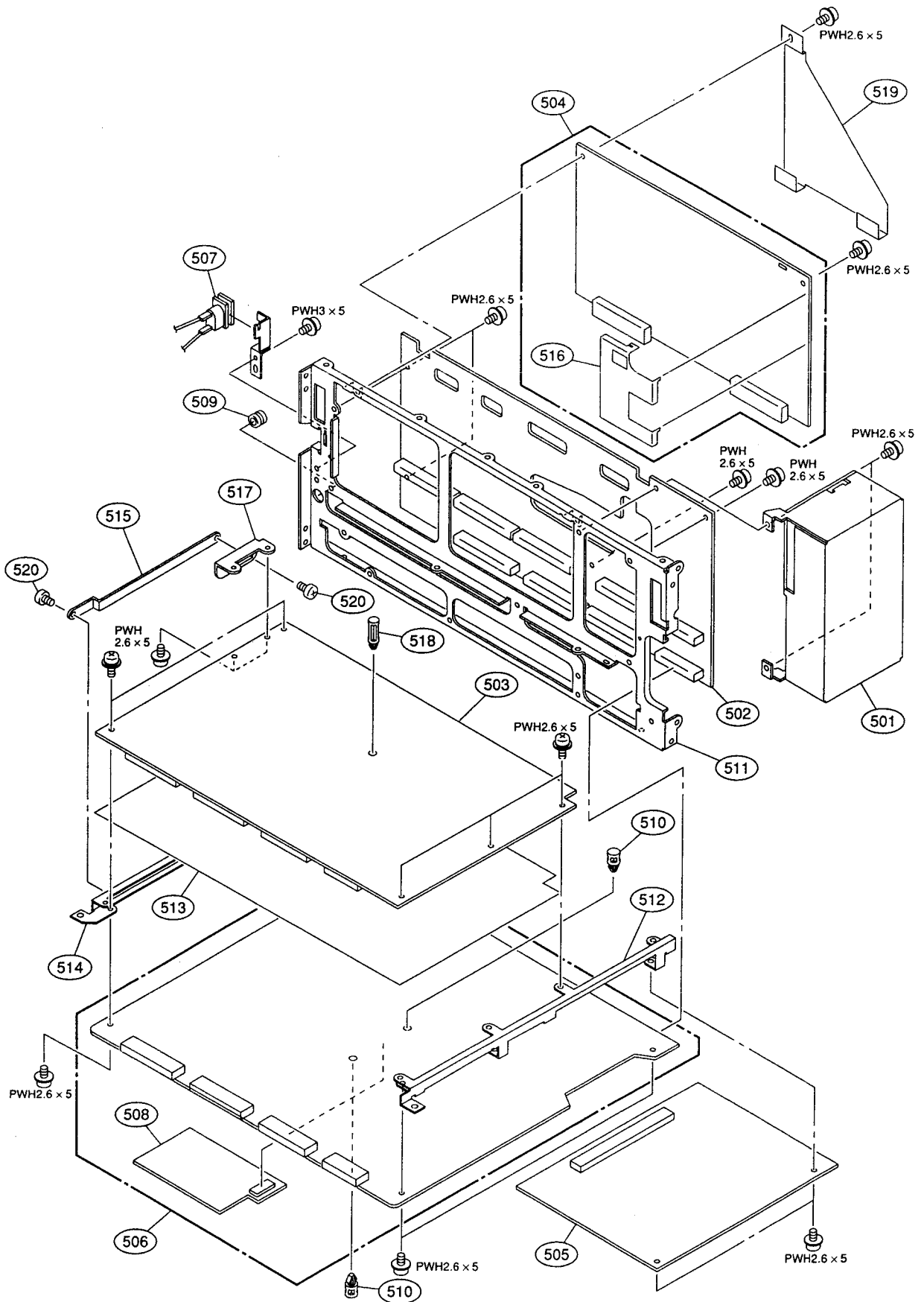


## REAR CHASSIS AND VIDEO BOARDS

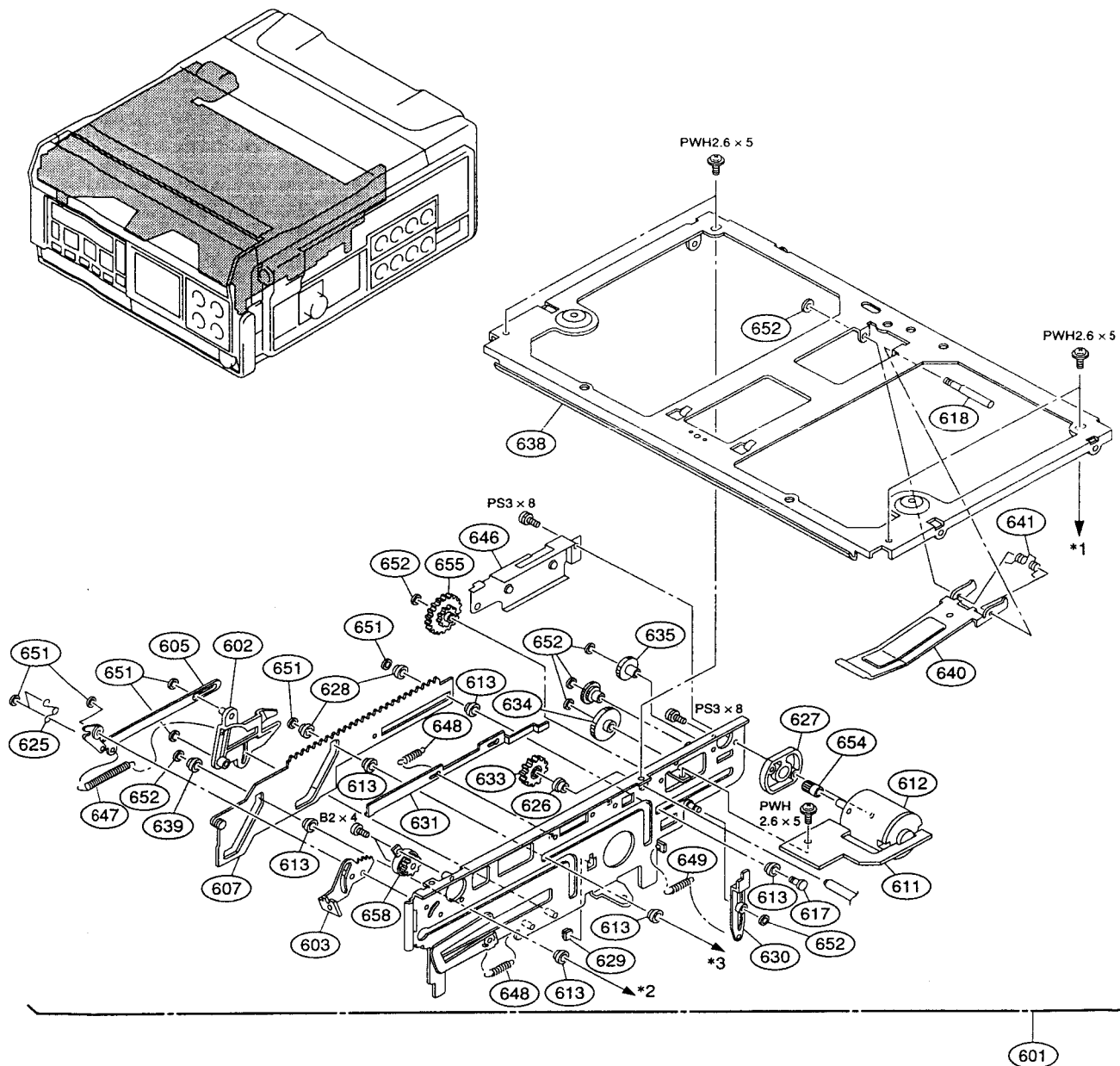


No.	Part No.	SP Description
501	A-8269-442-A s	POWER ASSY (for J)
	A-8269-463-A s	POWER ASSY (for UC, SY)
502	A-8276-909-A o	MOUNTED CIRCUIT BOARD, MB-601
503	A-8276-914-A o	MOUNTED CIRCUIT BOARD, VPR-12
		(for J, UC)
	A-8276-942-A o	MOUNTED CIRCUIT BOARD, VPR-12P
		(for SY)
504	A-8276-922-A o	MOUNTED CIRCUIT BOARD, EQ-54
505	A-8276-928-A o	MOUNTED CIRCUIT BOARD, DIF-31
506	A-8276-944-A o	MOUNTED CIRCUIT BOARD, DPR-62
		(for J, UC)
	A-8276-946-A o	MOUNTED CIRCUIT BOARD, DPR-62P
		(for SY)
507	1-507-905-11 s	JACK, DC
508	1-658-297-11 o	PRINTED CIRCUIT BOARD, APR-20
509	2-377-709-00 o	BUSHING, RUBBER
510	3-682-057-11 s	SPACER (SMALL)
511	3-691-388-01 o	CHASSIS, REAR
512	3-691-389-03 o	HOLDER, R
513	3-691-390-02 o	SHIELD PLATE, VIDEO
514	3-691-391-04 o	HOLDER, L
515	3-691-396-01 o	SUPPORT, CHASSIS
516	3-691-503-02 o	CASE, SHIELD LA
517	3-691-515-02 o	RETAINER, STAY
518	3-691-950-01 o	SPACER, P.C.B
519	3-693-971-01 o	PLATE, BLIND
520	4-950-558-02 o	SCREW (S)

## REAR CHASSIS AND VIDEO BOARDS



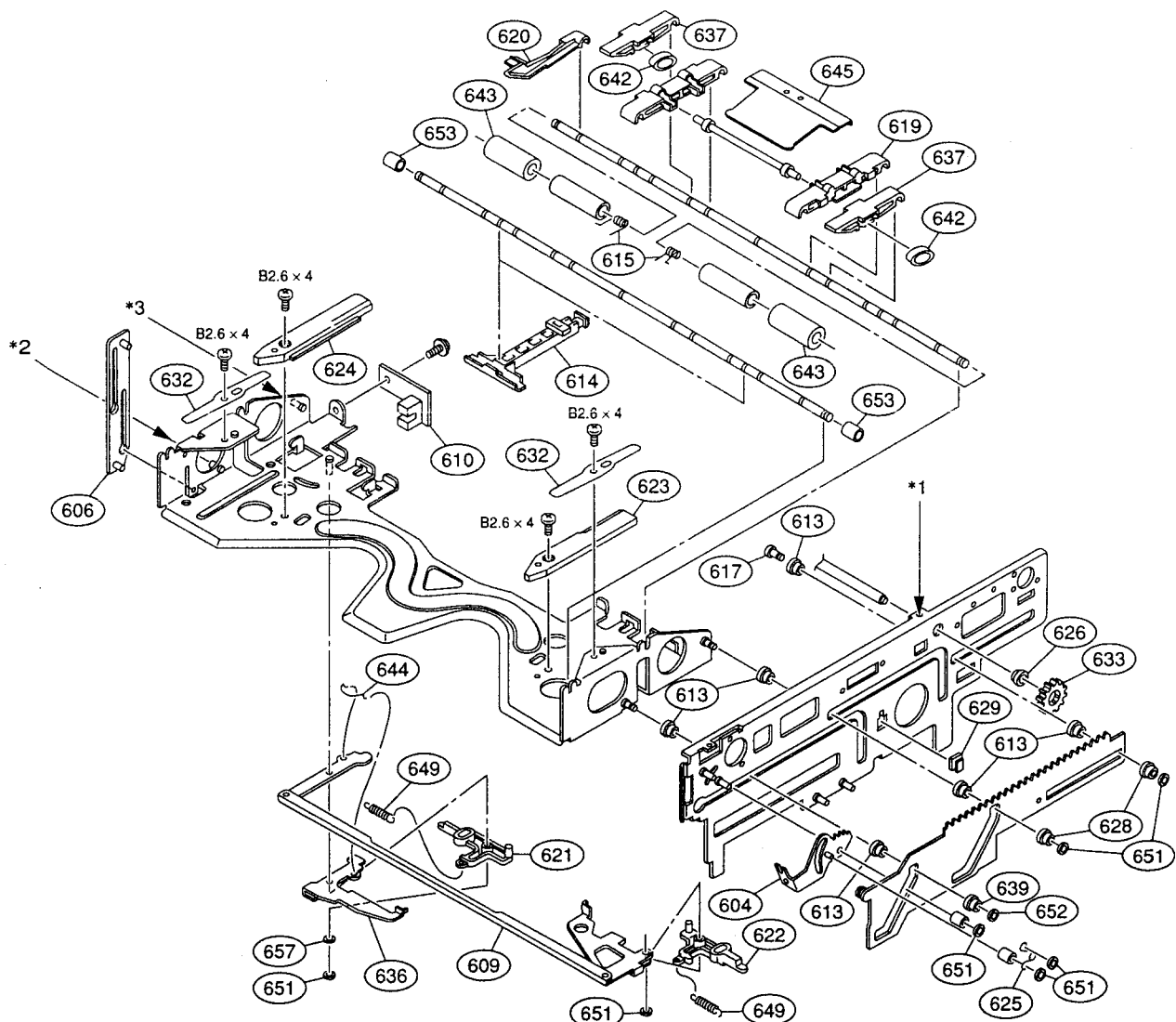
## CASSETTE COMPARTMENT



No.	Part No.	SP Description
601	A-8269-732-A	s CASSETTE COMPARTMENT ASSY
602	X-3165-739-1	o CAM (L) ASSY
603	X-3165-740-1	o ARM (L) ASSY, FF
604	X-3165-741-1	o ARM (R) ASSY, FF
605	X-3165-742-1	o ARM (L) ASSY, SWITCHING
606	X-3165-746-3	o ARM ASSY, RACK DRIVING
607	X-3165-747-2	o RACK (L) ASSY, C
608	X-3165-748-2	o RACK (R) ASSY, C
609	X-3165-770-2	o LEVER (R) ASSY, PUSH-OUT
610	1-638-701-12	o PRINTED CIRCUIT BOARD, CS-25
611	1-638-702-11	o PRINTED CIRCUIT BOARD, CS-26
612	1-698-335-11	s MOTOR, DC (SVD-1489)
613	3-169-352-02	o ROLLER (A), C
614	3-169-441-01	o RETAINER (S), CASSETTE
615	3-169-444-01	o SPRING (R), DETECTION

No.	Part No.	SP Description
616	3-169-445-01	o SPRING (L), DETECTION
617	3-169-456-01	o SHAFT (R), ROLLER
618	3-169-457-01	o SHAFT, ARM, LOCK
619	3-169-458-02	o ARM, JOINT
620	3-169-460-01	o ARM, L DETECTION
621	3-169-463-03	o ARM (L), PUSH-OUT
622	3-169-464-03	o ARM (R), PUSH-OUT
623	3-169-466-03	o GUIDE (R), CASSETTE
624	3-169-467-01	o GUIDE (L), CASSETTE
625	3-169-468-02	o SPRING (A), TOGGLE
626	3-169-469-01	o BEARING
627	3-169-470-02	o WASHER, C MOTOR
628	3-169-471-01	s ROLLER (B), C
629	3-169-472-01	o CAM, PUSH-OUT
630	3-169-473-01	o SHUTTER, C DOWN

# CASSETTE COMPARTMENT



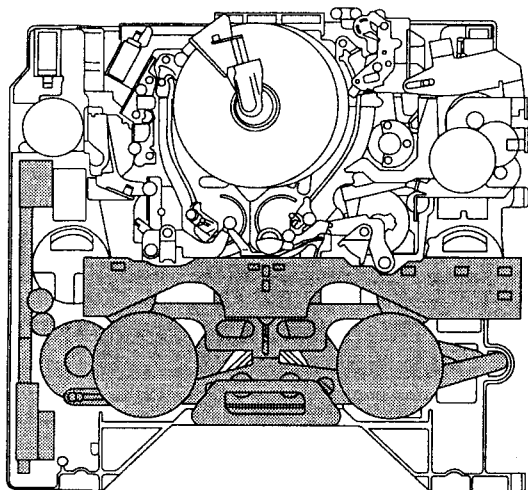
No. Part No. SP Description

631	3-169-474-02	o SHUTTER, C UP
632	3-169-475-02	o SPRING, CASSETTE RETAINER
633	3-169-477-02	s GEAR (5), C
634	3-169-479-03	s GEAR (3), C
635	3-169-480-03	s GEAR (2), C
636	3-169-482-02	o LEVER (L), PUSH-OUT
637	3-169-499-03	o LEVER, CORRECTION DETECTION
638	3-169-557-11	o STAY, C
639	3-170-821-01	s ROLLER (C), C
640	3-170-822-01	o ARM, C LOCK
641	3-170-823-02	s SPRING, LOCK ARM
642	3-172-394-01	o SPACER, RUBBER
643	3-172-873-01	s ROLLER, CASSETTE RETAINER
644	3-172-874-02	s SPRING, C IN SHUTTER
645	3-172-876-02	o SPRING (A), C STOPPER

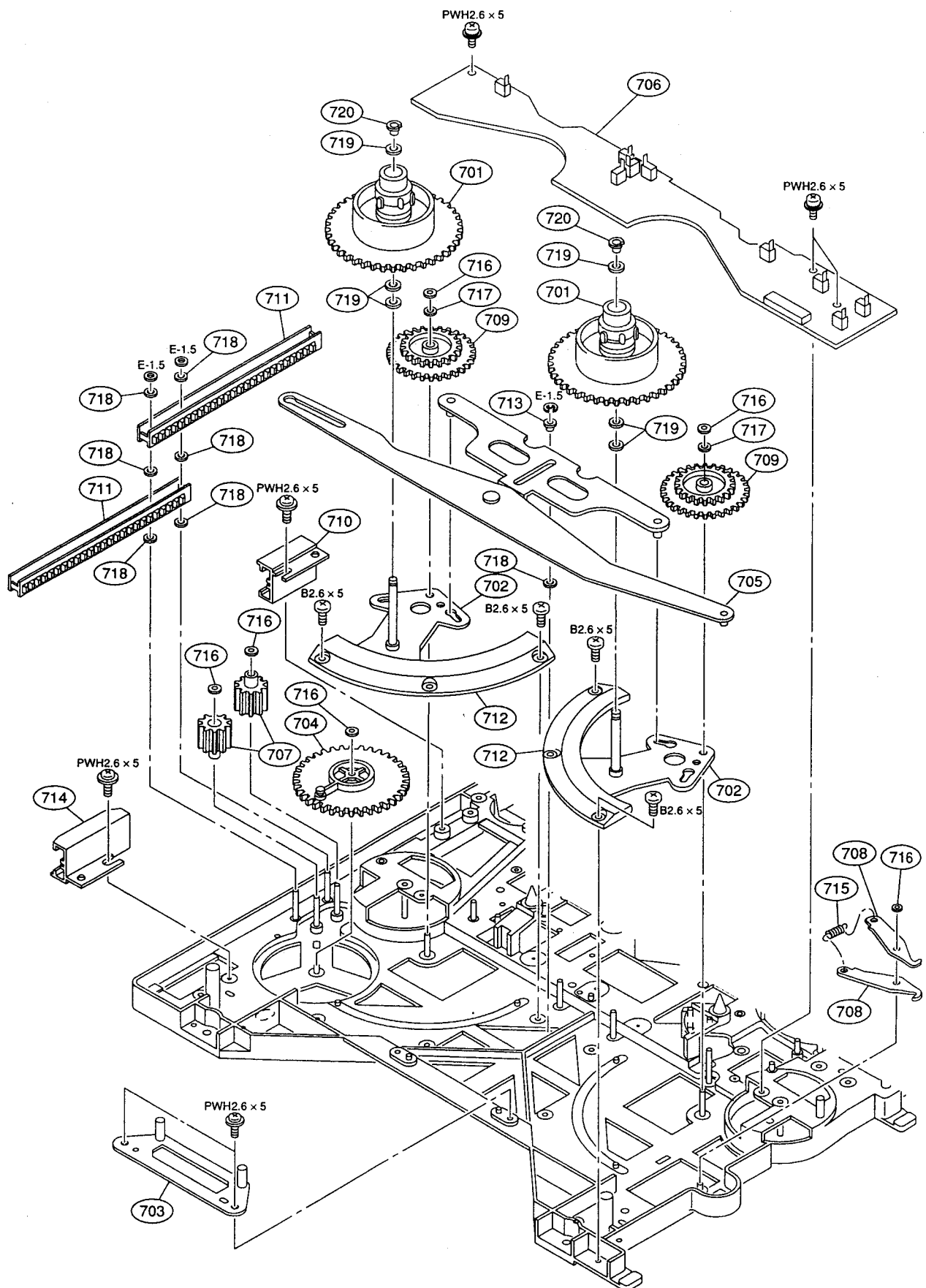
No. Part No. SP Description

646	3-178-212-02	s SUPPORT, SHAFT, C GEAR
647	3-556-464-00	s SPRING, TENSION
648	3-578-388-00	s SPRING, TENSION
649	3-515-167-00	s SPRING, TENSION
650	3-657-841-01	s SPACER (2X2)
651	3-669-465-01	s WASHER (1.5), STOPPER
652	3-676-387-00	s POLY-SLIDER (DIA.1.6)
653	3-691-575-01	o PETAINER, L CASSETTE
654	3-694-266-01	s GEAR, C PINION
655	3-694-286-01	s GEAR, C4
656	3-695-848-01	s GEAR, C1
657	3-701-437-01	s WASHER
658	3-712-786-11	s DAMPER, OIL

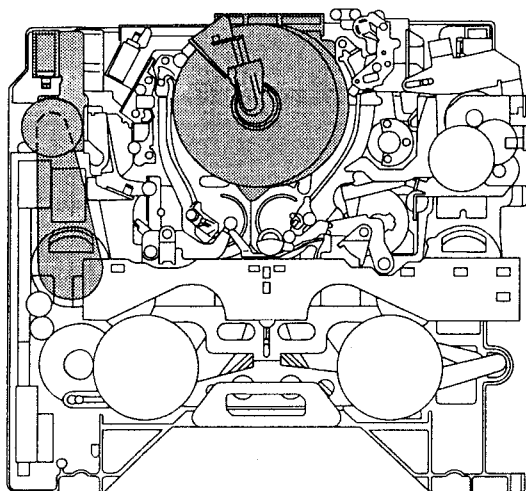
## S/T REEL TABLES



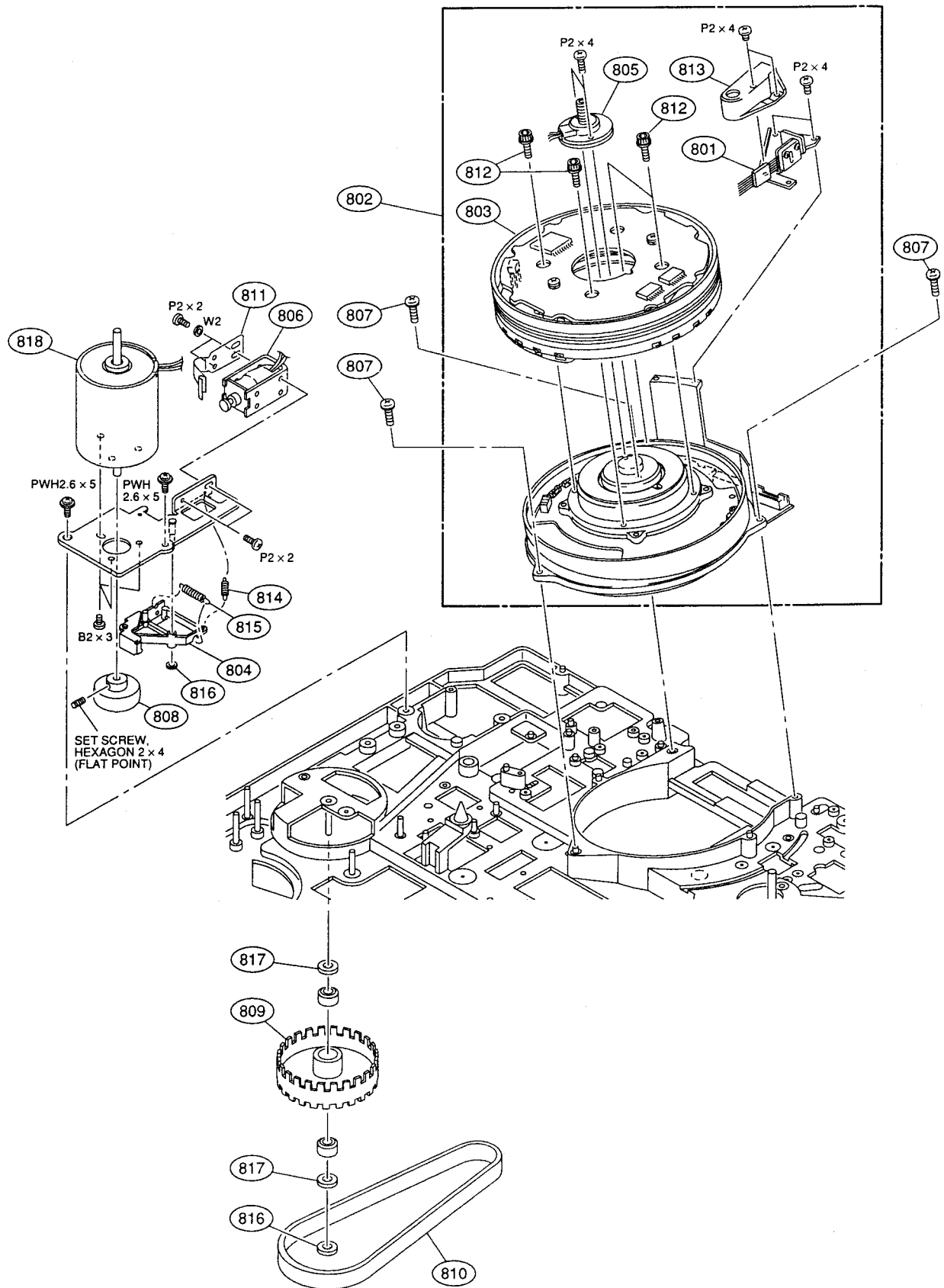
No.	Part No.	SP Description
701	A-6739-095-A	s TABLE ASSY, REEL
702	X-3165-760-1	o ARM ASSY, REEL
703	X-3165-761-1	o BASE ASSY, C SUPPORT
704	X-3165-763-1	s GEAR ASSY, OSCILLATION
705	X-3165-775-2	o LINK ASSY, SLIDE
706	1-657-800-11	o PRINTED CIRCUIT BOARD, SE-233
707	3-169-500-01	s GEAR, IDLE
708	3-169-501-02	o PLATE, LIMITER
709	3-169-504-01	s GEAR, RELAY
710	3-169-509-01	s RAIL, GUIDE
711	3-169-511-01	o RACK, DRIVING
712	3-169-512-01	o RETAINER, REEL ARM
713	3-171-987-01	s ROLLER (G)
714	3-172-123-01	s RAIL (F), GUIDE
715	3-549-014-00	s SPRING, TENSION
716	3-676-387-00	s POLY-SLIDER (DIA.1.6)
717	3-701-437-11	s WASHER
718	3-701-437-21	s WASHER
719	3-701-439-11	s WASHER
720	3-703-074-01	s CAP 3, SHAFT



## DRUM AND S-SIDE REEL MOTOR

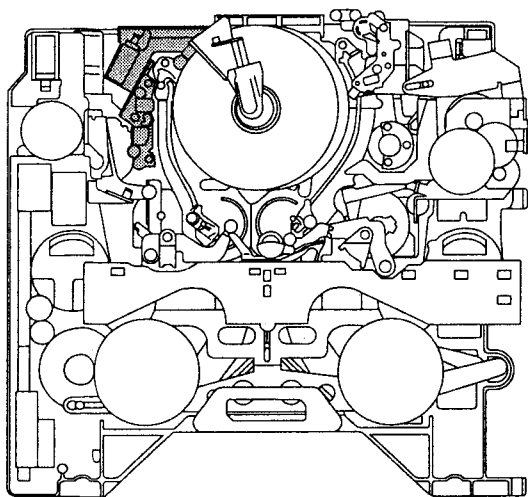


No.	Part No.	SP Description
801	A-8263-460-A	s BRUSH ASSY
802	A-8269-262-A	s DRUM ASSY, DJH-11A-R (for NTSC)
	A-8269-264-A	s DRUM ASSY, DJH-12A-R (for PAL)
803	A-8269-263-A	s UPPER DRUM, DJH-11-R (for NTSC)
	A-8269-261-A	s UPPER DRUM, DJH-12-R (for PAL)
804	X-3165-731-2	s ARM ASSY, BRAKE
805	1-251-207-11	s RING ASSY, SLIP
806	1-454-334-61	s SOLENOID, PLUNGER
807	2-640-315-01	o SCREW (M2X5), SMALL, +P, SW
808	3-169-370-03	o PULLEY, MOTOR
809	3-169-503-03	s PULLEY (B), RELAY
810	3-172-003-01	s BELT, DRIVING
811	3-173-411-01	s SPRING, BRAKE PLATE
812	3-185-531-01	s BOLT M2X3, W HEXAGON
813	3-185-532-01	o COVER, BRUSH
814	3-307-374-00	s SPRING, TENSION
815	3-642-482-00	s SPRING, TENSION
816	3-676-387-00	s POLY-SLIDER (DIA.1.6)
817	3-701-437-21	s WASHER
818	8-835-441-01	s MOTOR R432276751A



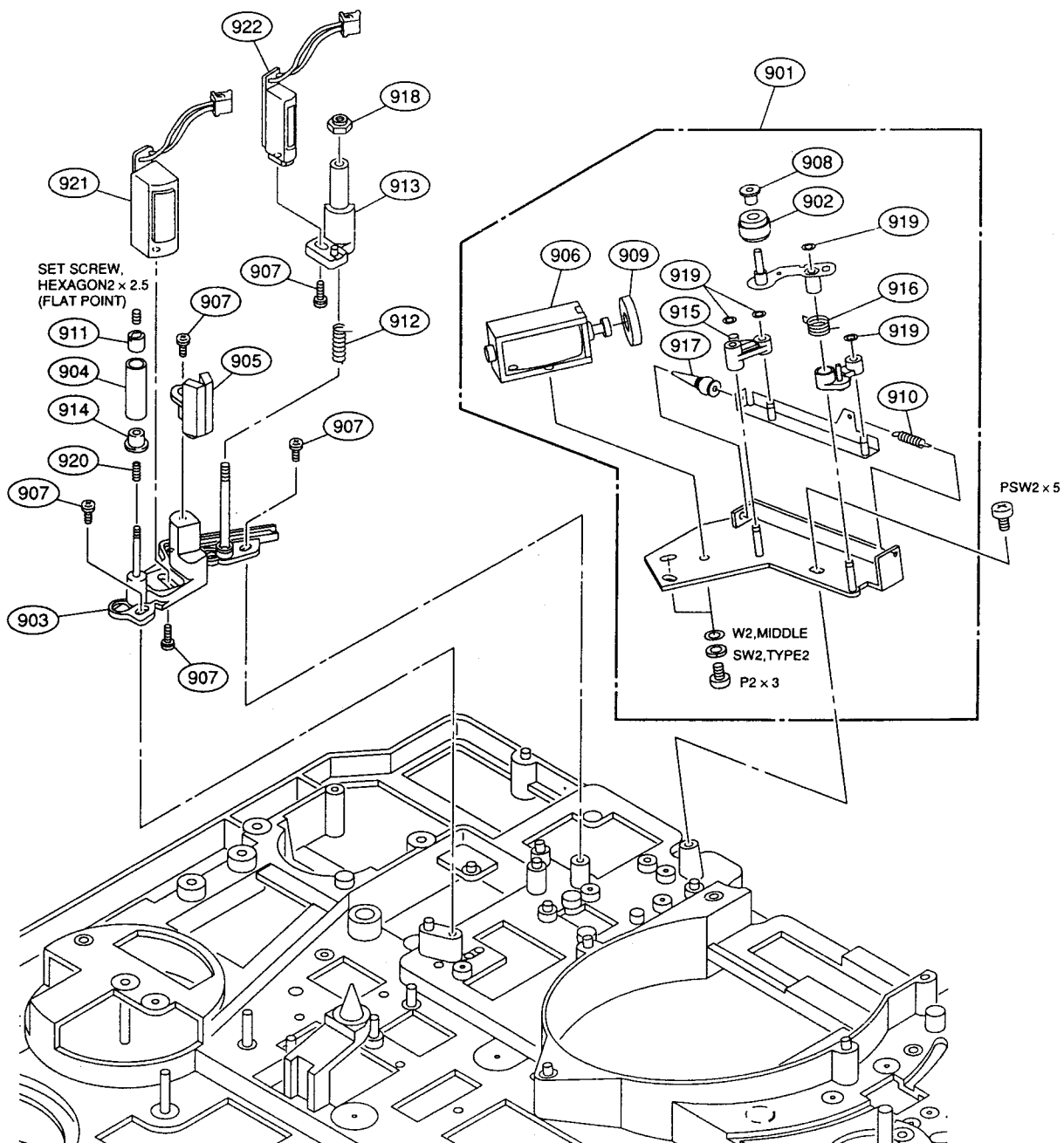


**CTL HEAD AND VIDEO HEAD CLEANER**

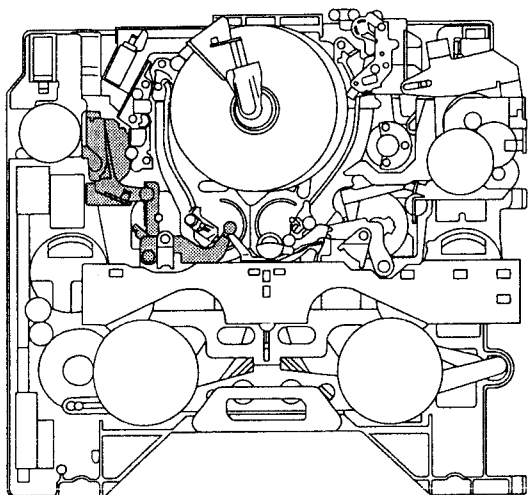


No.	Part No.	SP Description
901	A-8278-220-B	o CLEANER ASSY, VIDEO HEAD
902	X-3167-281-2	s ROLLER ASSY, V CLEANING
903	X-3678-118-2	o BASE ASSY, CTL FE
904	X-3678-129-2	s ROLLER (2) ASSY, RESIN
905	X-3678-142-1	o CLERNER ASSY, TAPE
906	1-454-607-21	s SOLENOID, PLUNGER
907	2-640-315-01	o SCREW (M2X5), SMALL, +P, SW
908	3-182-765-02	s SPACER, CR
909	3-183-901-01	s WASHER, CL
910	3-527-188-00	s SPRING, TENSION
911	3-679-729-02	s FLANGE, UPPER
912	3-680-043-01	s SPRING, CTL
913	3-680-044-01	o BRACKET, CTL
914	3-680-230-01	s FLANGE, UNDER
915	3-691-552-01	o LEVER, SOLENOID
916	3-691-555-01	o SPRING, TORSION
917	3-691-562-01	o SHOCK ABSORBER
918	3-698-829-01	s NUT (M2)
919	3-726-829-01	l WASHER, STOPPER
920	3-729-011-01	s SPRING, COMPRESSION
921	8-825-770-73	s HEAD, FE EF291-21
922	8-825-779-71	s CTL HEAD (PS244-21D)

## CTL HEAD AND VIDEO HEAD CLEANER

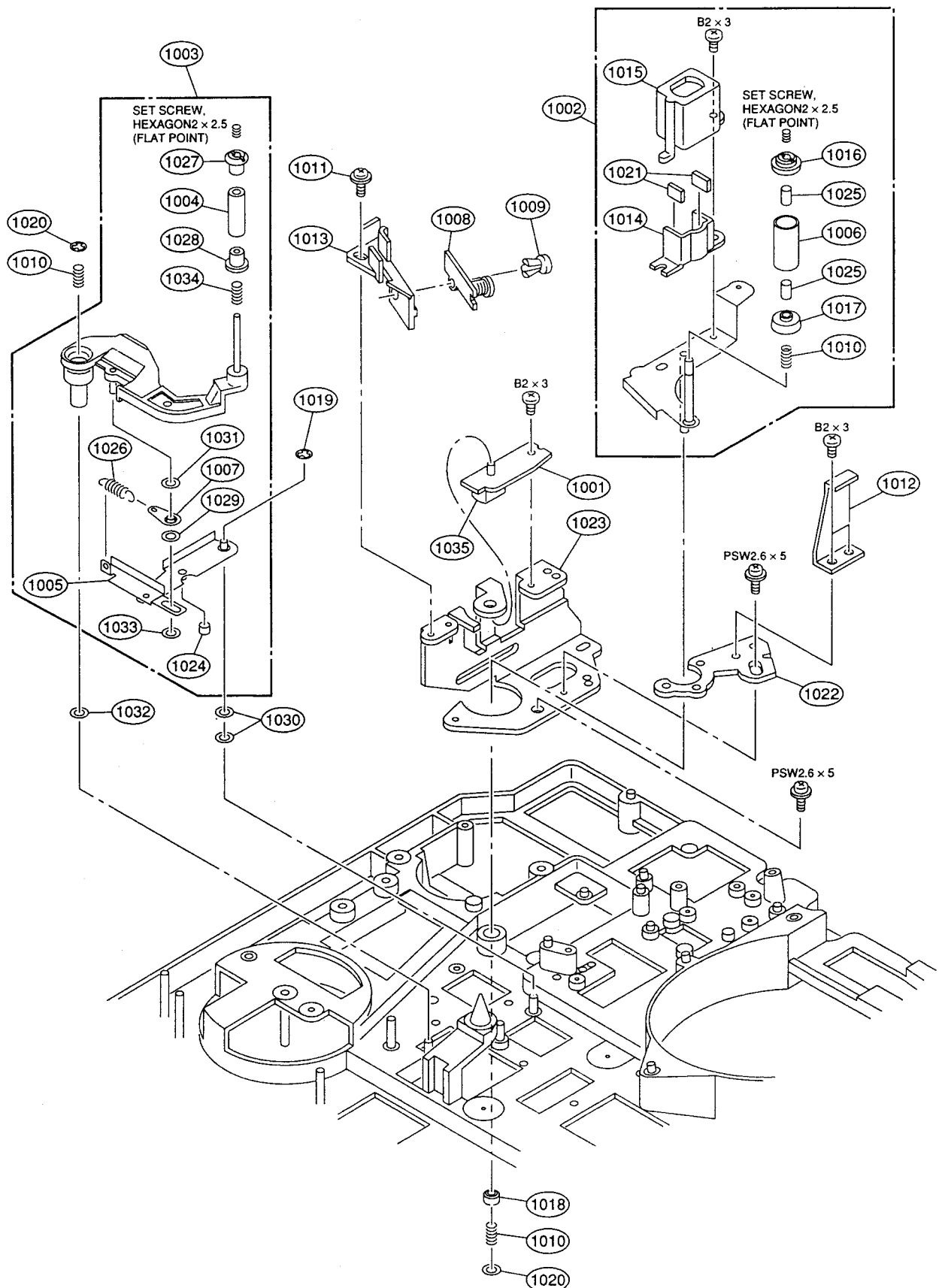


## TENSION REGULATOR AND S-SIDE DRAWING ARM

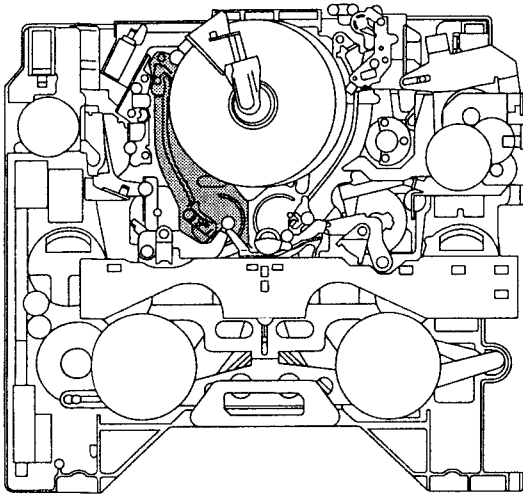


No.	Part No.	SP Description
1001	A-6754-272-A	o MOUNTED CIRCUIT BOARD, TR-57
1002	A-8269-451-A	s TENSION REGULATOR ASSY
1003	A-8269-452-A	o ARM ASSY, S
1004	X-3678-091-2	s ROLLER ASSY
1005	X-3678-388-1	o DRAWING ARM, ASSY
1006	X-3678-389-1	s S-TEN ROLLER, ASSY
1007	X-3678-390-1	o LAG, S-ARM, ASSY
1008	1-543-316-21	s HEAD, SENSING (SMALL TYPE)
1009	2-279-715-01	s RIVET, NYLON
1010	2-618-901-00	s SPRING
1011	2-640-315-01	o SCREW (M2X5), SMALL, +P, SW
1012	3-169-302-02	o SPRING (TR), PLATE
1013	3-169-304-01	o BASE, END SENSOR
1014	3-169-305-01	o PLATE, YOKE
1015	3-169-336-01	o GUARD, DME
1016	3-174-315-01	s FLANGE (UPPER)
1017	3-174-316-02	s FLANGE (LOWER)
1018	3-669-443-01	s BEARING, BALL (NO FLANGE)
1019	3-669-465-01	s WASHER (1.5), STOPPER
1020	3-669-595-00	s WASHER (2), STOPPER
1021	3-680-828-01	o MAGNET
1022	3-691-364-01	o PLATE, TENTION ADJUSTMENT
1023	3-691-376-01	o BASE, S-TEN
1024	3-691-378-01	s ROLLER B
1025	3-691-380-01	s ROLLER C
1026	3-691-381-01	s SPRING, EXTENSION
1027	3-691-382-02	s FLANGE, UPPER
1028	3-691-383-02	s FLANGE, UNDER
1029	3-701-436-11	s WASHER, 1.6 POLYETHYLENE
1030	3-701-436-21	s WASHER, POLYETHYLENE
1031	3-701-437-01	s WASHER
1032	3-701-437-11	s WASHER
1033	3-726-829-01	l WASHER, STOPPER
1034	3-729-011-01	s SPRING, COMPRESSION
1035	8-745-001-07	s DM-230-1

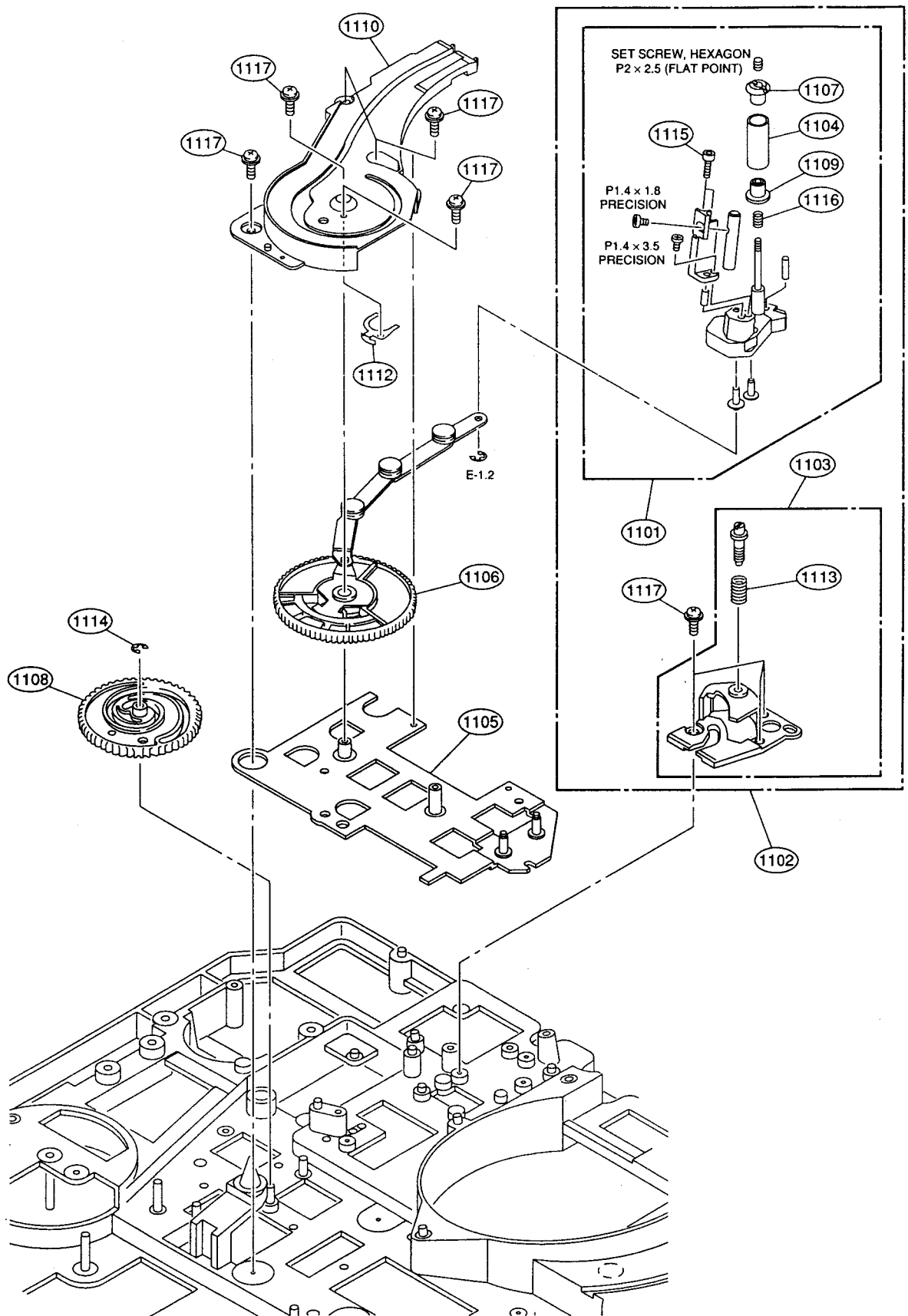
# TENSION REGULATOR AND S-SIDE DRAWING ARM



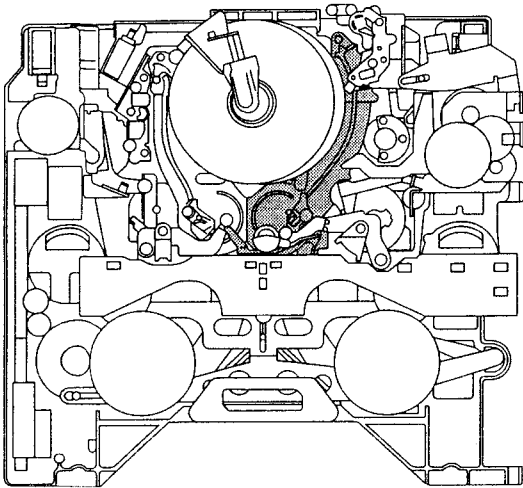
## S-SIDE THREADING LINK



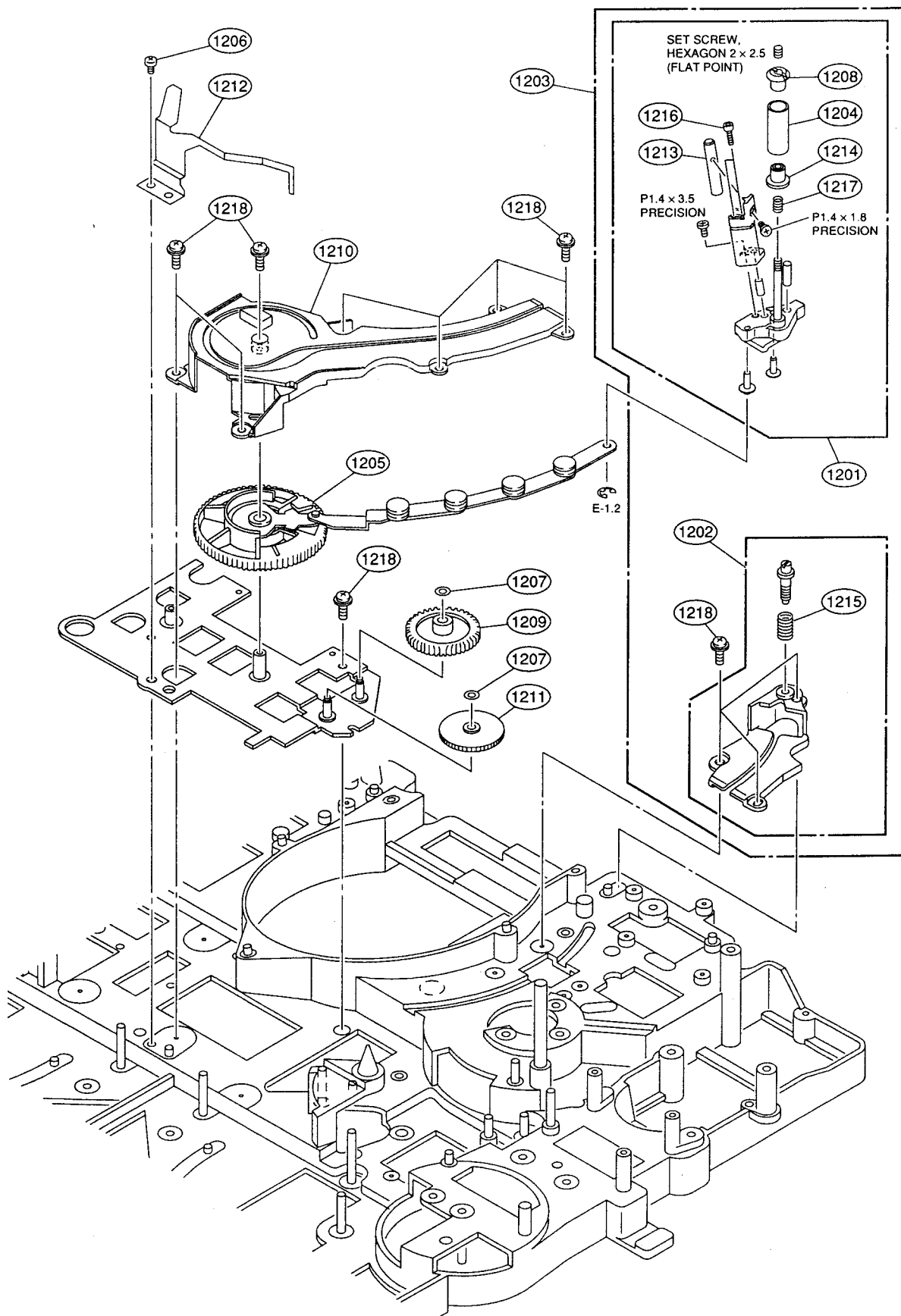
No.	Part No.	SP Description
1101	A-8269-454-B	s SLIDER ASSY, S
1102	A-8272-676-A	s BLOCK ASSY, S DRAWER
1103	A-8278-032-C	o CATCHER S ASSY
1104	X-3678-091-2	s ROLLER ASSY
1105	X-3678-380-2	o BASE, THREADING GEAR ASSY
1106	X-3678-464-1	o GEAR ASSY, THREADING S
1107	3-679-729-02	s FLANGE, UPPER
1108	3-679-777-04	o GEAR, ARM, DRAWER
1109	3-680-230-01	s FLANGE, UNDER
1110	3-691-360-02	o RAIL, S
1111	3-691-577-01	s GUIDE, SLANT
1112	3-691-880-01	o LINK PROTECTOR
1113	3-716-167-01	s SPRING, COMPRESSION
1114	3-726-829-01	1 WASHER, STOPPER
1115	3-727-809-01	s BOLT (M1.4X5), HEXAGON SOCKET
1116	3-729-011-01	s SPRING, COMPRESSION
1117	3-729-013-21	s SCREW(M1.4X2.5), WASHERHEAD(+P)



## T-SIDE THREADING LINK

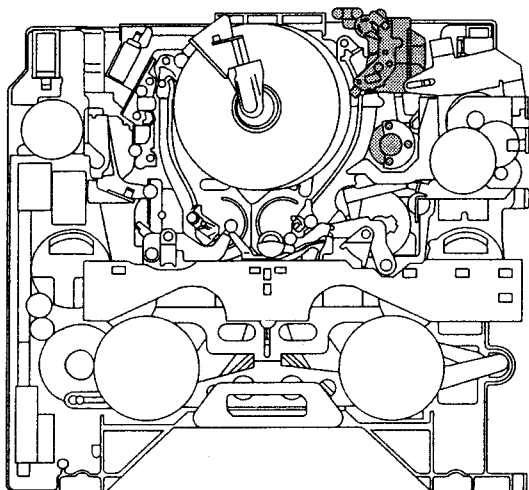


No.	Part No.	SP Description
1201	A-8269-453-B	s SLIDER ASSY, T
1202	A-8278-033-B	o CATCHER T ASSY
1203	A-8278-667-A	s BLOCK ASSY, T DRAWER
1204	X-3678-091-2	s ROLLER ASSY
1205	X-3678-379-2	o GEAR ASSY, THREADING T
1206	2-640-315-01	o SCREW (M2X5), SMALL, +P, SW
1207	3-559-408-11	s WASHER, POLYETHYLENE, DIA.1.2
1208	3-679-729-02	s FLANGE, UPPER
1209	3-679-764-01	o GEAR, MIDWAY, ST DRIVING
1210	3-691-344-01	o RAIL, T
1211	3-691-352-02	s GEAR, ST DRIVING
1212	3-691-563-01	o PLATE, UNTHREAD GUIDING
1213	3-691-577-01	s GUIDE, SLANT
1214	3-694-275-01	s FLANGE, UNDER, T2
1215	3-716-167-01	s SPRING, COMPRESSION
1216	3-727-809-01	s BOLT (M1.4X5), HEXACON SOCKET
1217	3-729-011-01	s SPRING, COMPRESSION
1218	3-729-013-21	s SCREW (M1.4X2.5), WASHERHEAD (+P)

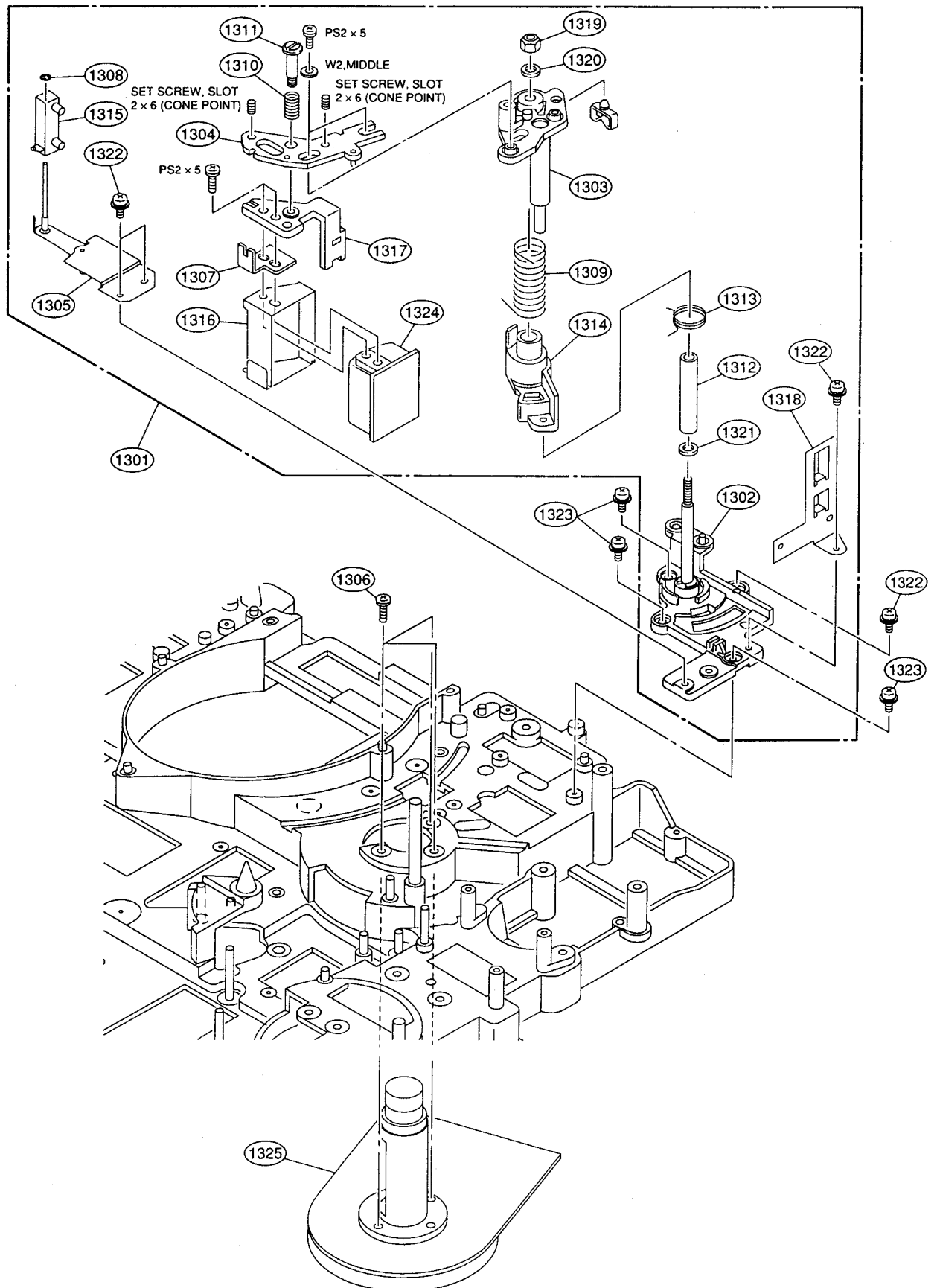




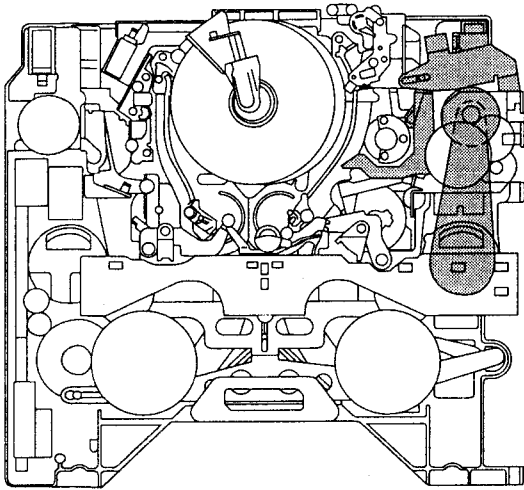
## CUE/TC HEAD AND CAPSTAN MOTOR



No.	Part No.	SP Description
1301	A-8269-466-A	o HEAD ASSY, EXIT
1302	X-3678-095-2	o PLATE ASSY, BASE CUE/TC
1303	X-3678-112-1	o PLATE ASSY, CUE/TC ADJUSTMENT
1304	X-3678-378-1	o PLATE(A), HEAD ASSY
1305	X-3678-434-2	o ARM ASSY, CLEANER
1306	2-640-315-01	o SCREW (M2X5), SMALL, +P, SW
1307	3-171-570-01	o PLATE (R), ADJUSTMENT
1308	3-321-393-01	s WASHER, STOPPER
1309	3-680-005-01	o SPRING, CUE/TC
1310	3-680-222-01	s SPRING, COMPRESSION
1311	3-680-223-01	s SHAFT
1312	3-680-225-01	o SLEEVE, SHAFT, MAIN, CUE/TC
1313	3-680-233-01	o SPRING, RTN
1314	3-680-262-02	o PLATE, SWING, CUE/TC
1315	3-681-778-02	s BRUSH, CUE
1316	3-689-893-01	o CASE, SHIELD
1317	3-689-895-01	o PLATE(B), HEAD
1318	3-691-881-01	o HOLDER, HARNESS
1319	3-698-829-01	s NUT (M2)
1320	3-701-437-11	s WASHER
1321	3-701-439-11	s WASHER
1322	3-729-013-21	s SCREW (M1.4X2.5), WASHERHEAD(+P)
1323	3-729-013-41	s SCREW (M1.4X3.5), WASHERHEAD(+P)
1324	8-825-920-01	s HEAD, AUDIO EPS244-2103J
1325	8-835-534-01	s MOTOR, DC SCV-0702A/J-N

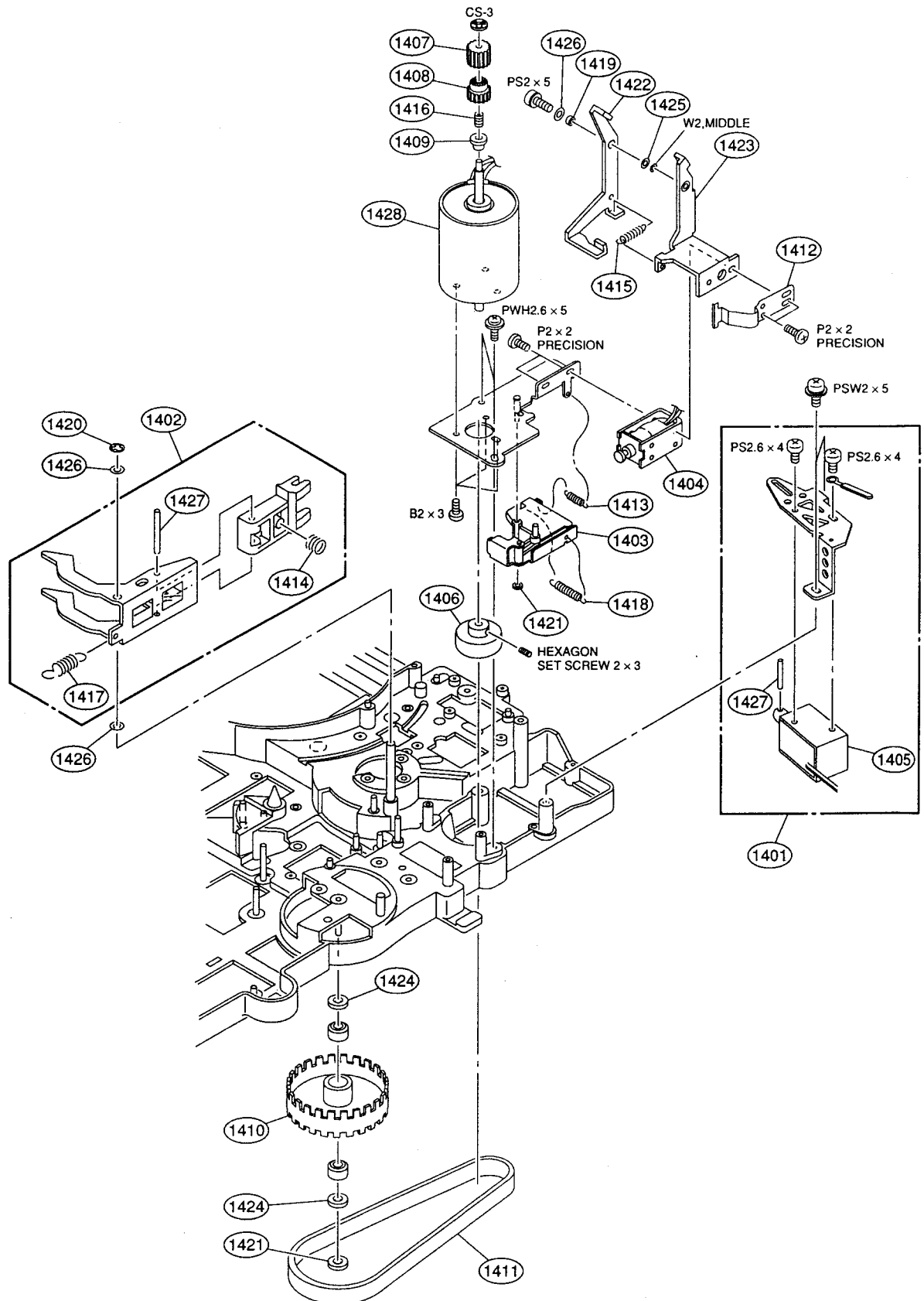


## T-SIDE REEL MOTOR AND PINCH PRESS BLOCK

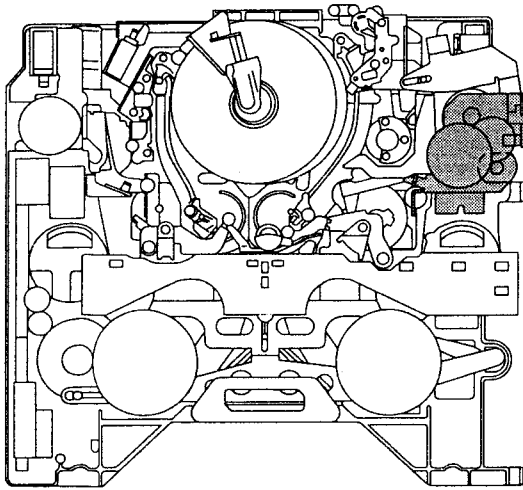


No.	Part No.	SP Description
1401	A-8278-216-A	o PLUNGER ASSY, PINCH PRESSING
1402	A-8278-217-B	o ARM ASSY, PINCH PRESSING
1403	X-3165-731-2	s ARM ASSY, BRAKE
1404	1-454-334-61	s SOLENOID, PLUNGER
1405	1-454-383-31	s SOLENOID, PLUNGER
1406	3-169-370-03	o PULLEY, MOTOR
1407	3-169-371-02	s PLATE, CLUTCH
1408	3-169-372-01	s GEAR, REEL MOTOR DRIVING
1409	3-169-373-01	s WASHER, SPRING
1410	3-169-503-03	s PULLEY (B), RELAY
1411	3-172-003-01	s BELT, DRIVING
1412	3-173-411-01	s SPRING, BRAKE PLATE
1413	3-307-374-00	s SPRING, TENSION
1414	3-345-408-01	s SPRING, COMPRESSION
1415	3-371-875-01	s SPRING (LOCK PLATE), TENSION
1416	3-637-331-00	s SPRING, COMPRESSION (L)
1417	3-639-371-00	s SPRING, TENSION
1418	3-642-482-00	s SPRING, TENSION
1419	3-657-841-61	o SPACER (2X1.6)
1420	3-669-596-01	s WASHER (2.3), STOPPER
1421	3-676-387-00	s POLY-SLIDER (DIA.1.6)
1422	3-691-564-01	o LEVER, BRAKE RELEASE
1423	3-691-565-01	o BASE, BRAKE RELEASE
1424	3-701-437-21	s WASHER
1425	3-701-439-01	s WASHER
1426	3-701-439-11	s WASHER
1427	3-703-358-08	1 PIN, PARALLEL (DIA. 2X20)
1428	8-835-441-01	s MOTOR R432276751A

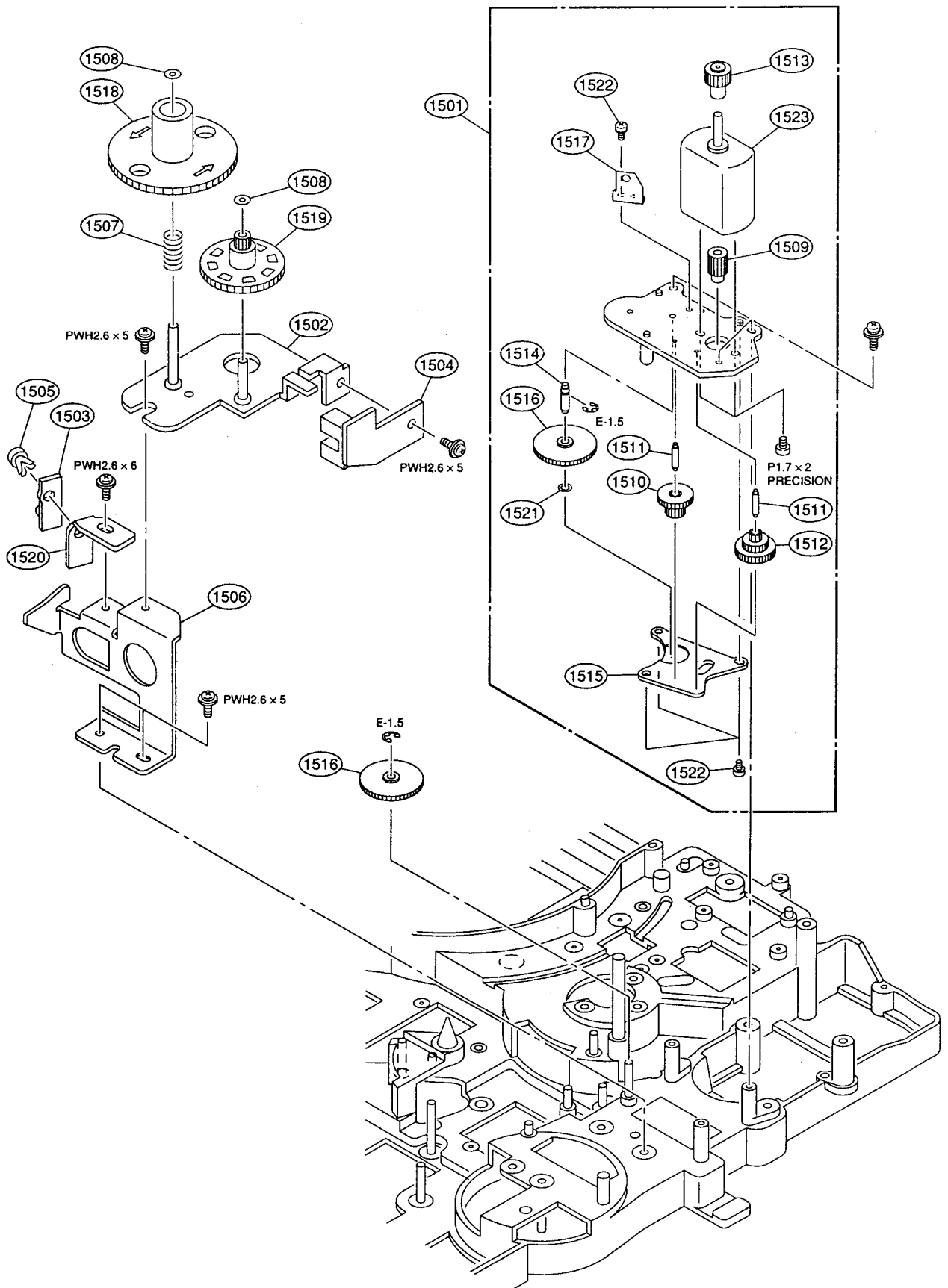
# T-SIDE REEL MOTOR AND PINCH PRESS BLOCK



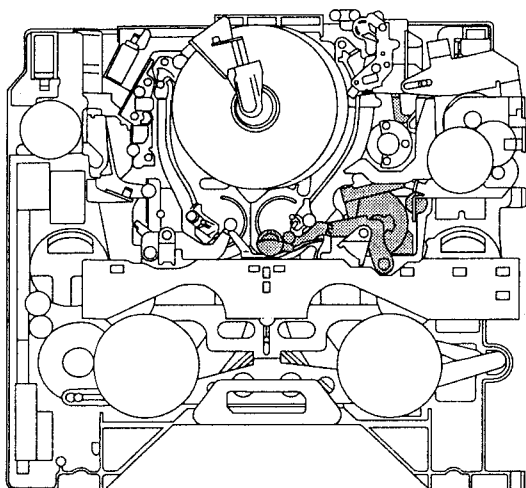
**THREADING MOTOR AND GEAR TRAIN**



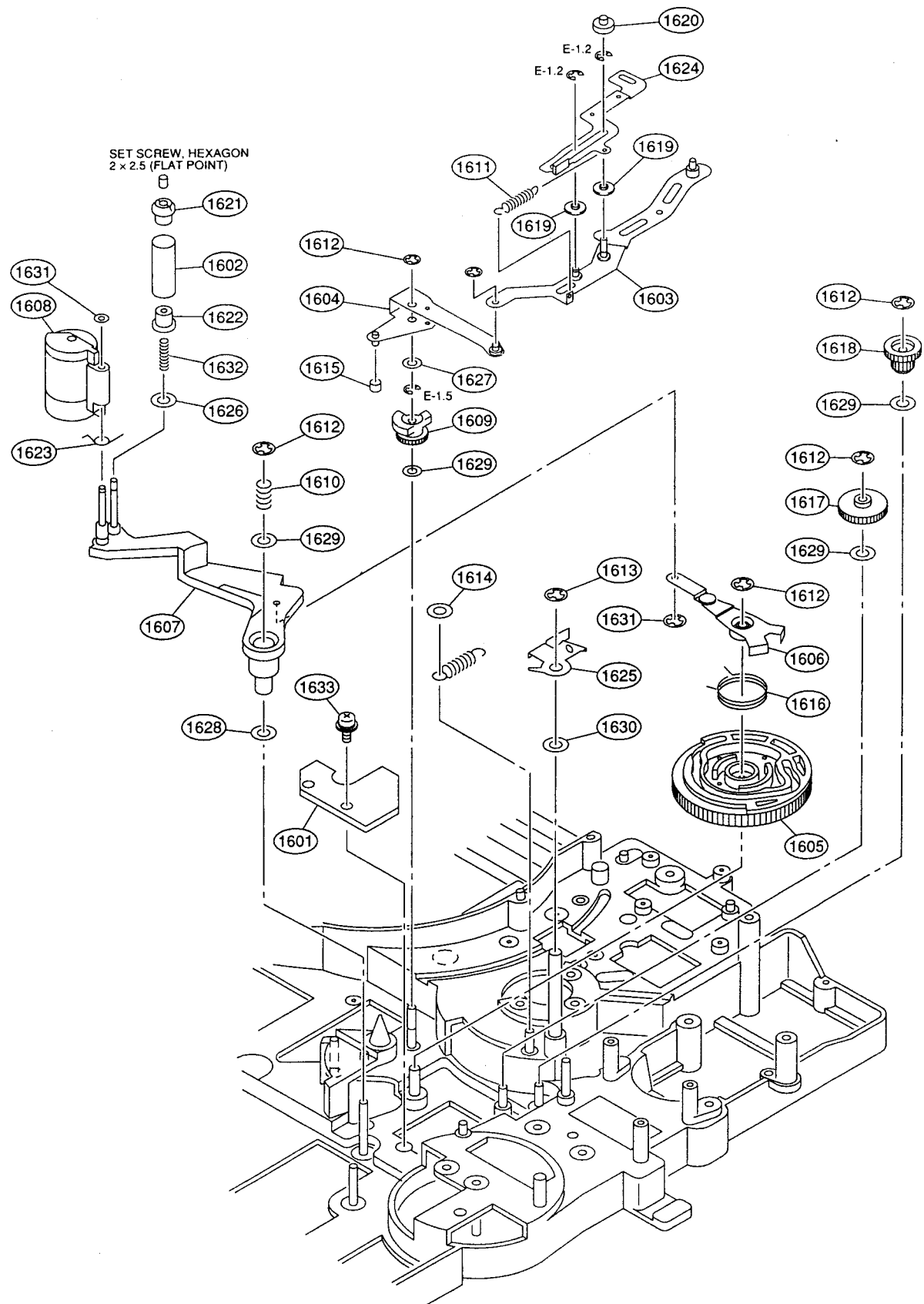
No.	Part No.	SP Description
1501	A-8269-450-A	o BLOCK ASSY, GEAR
1502	X-3678-385-1	o EJECT ASSY, MANUAL
1503	1-543-316-21	s HEAD, SENSING (SMALL TYPE)
1504	1-638-705-12	o PRINTED CIRCUIT BOARD, DET-15
1505	2-279-715-01	s RIVET, NYLON
1506	3-169-502-03	o PLATE, LID OPEN
1507	3-561-540-01	s SPRING, COMPRESSION
1508	3-669-465-01	s WASHER (1.5), STOPPER
1509	3-679-748-01	s PINION
1510	3-679-750-01	o GEAR(B)
1511	3-679-799-01	o SHAFT, GEAR
1512	3-680-263-01	o GEAR(C)
1513	3-680-988-01	s PINION B
1514	3-691-348-01	o GEAR SHAFT(A)
1515	3-691-349-01	o GEAR BLOCK PLATE(B)
1516	3-691-352-02	s GEAR, ST DRIVING
1517	3-691-353-01	o LIMITTER PLATE
1518	3-691-371-01	o GEAR, MIDWAY
1519	3-691-372-01	o DRIVING GEAR, MANUAL
1520	3-691-556-01	o HOLDER, TOP SENSOR
1521	3-701-437-21	s WASHER
1522	3-729-013-21	s SCREW(M1.4X2.5), WASHERHEAD(+P)
1523	8-835-440-01	s MOTOR DN20-Q7Z1B



## CUE LINK AND PINCH ARM



No.	Part No.	SP Description
1601	A-8276-926-A	o MOUNTED CIRCUIT BOARD, DET-26
1602	X-3678-091-2	s ROLLER ASSY
1603	X-3678-382-1	o LINK ASSY,CUE DRIVING
1604	X-3678-383-1	o CUE DRIVING ARM ASSY (A)
1605	X-3678-384-1	o GEAR ASSY,CAM
1606	X-3678-423-2	o LINK ASSY,T
1607	X-3678-424-2	o SUB ASSY,T ARM
1608	X-3678-425-3	s ARM ASSY,PINCH ROLLER
1609	X-3678-461-1	s GEAR ASSY,INTERMITTENT
1610	2-618-901-00	s SPRING
1611	3-535-369-XX	s SPRING, TENSION
1612	3-669-465-01	s WASHER (1.5), STOPPER
1613	3-669-596-01	s WASHER (2.3), STOPPER
1614	3-672-250-01	s RING (M2.6), O
1615	3-683-340-01	o ROLLER A
1616	3-689-899-02	s SPRING,TORSION
1617	3-691-351-02	s GEAR, MIDWAY
1618	3-691-355-02	s GEAR,JOINT
1619	3-691-356-01	o C SLEEVE
1620	3-691-357-01	s C SLEEVE
1621	3-691-382-02	s FLANGE,UPPER
1622	3-691-383-02	s FLANGE,UNDER
1623	3-691-550-01	s SPRING,PINCH RETURN
1624	3-692-093-01	o LEVER,CUE CLEANER
1625	3-692-097-02	o LEVER STOPPER
1626	3-701-436-21	s WASHER, POLYETHYLENE
1627	3-701-437-01	s WASHER
1628	3-701-437-11	s WASHER
1629	3-701-437-21	s WASHER
1630	3-701-439-11	s WASHER
1631	3-726-829-01	1 WASHER, STOPPER
1632	3-729-011-01	s SPRING, COMPRESSION
1633	3-729-013-21	s SCREW(M1.4X2.5),WASHERHEAD(+P)





### 5-3. Electrical Parts List

#### ----- ADA-44 BOARD -----

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-930-A	o MOUNTED CIRCUIT BOARD, ADA-44
C1	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C2	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C3	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C4	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C5	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C6	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C7	1-163-038-00	s CERAMIC 0.1uF 25V
C8	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C9	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C10	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C11	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C12	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C13	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C14	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C15	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C16	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C17	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C18	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C19	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C20	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C21	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C23	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C24	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C29	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C30	1-104-553-11	s FILM, CHIP 0.015uF 5% 16V
C31	1-104-553-11	s FILM, CHIP 0.015uF 5% 16V
C32	1-104-553-11	s FILM, CHIP 0.015uF 5% 16V
C33	1-104-553-11	s FILM, CHIP 0.015uF 5% 16V
C34-41	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C42-49	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C50	1-104-549-11	s FILM, CHIP 0.0068uF 5% 16V
C51	1-104-549-11	s FILM, CHIP 0.0068uF 5% 16V
C52	1-104-549-11	s FILM, CHIP 0.0068uF 5% 16V
C53	1-104-549-11	s FILM, CHIP 0.0068uF 5% 16V
C54	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C55	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C56	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C57	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C58	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C59	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C60	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C61	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C62	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C63	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C64-69	1-163-038-00	s CERAMIC 0.1uF 25V
C70	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C71	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C72	1-164-346-11	s CERAMIC 1uF 16V
C73	1-164-346-11	s CERAMIC 1uF 16V
C74	1-164-346-11	s CERAMIC 1uF 16V
C75	1-164-346-11	s CERAMIC 1uF 16V
C76	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C201	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C202	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C203	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C204	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V

#### (ADA-44 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C205	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C206	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C207	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C208	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C209	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C210	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C211	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C212	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C213	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C214	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C215	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C216	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C217	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C218	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C219	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C220	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C221	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C222	1-104-543-11	s FILM, CHIP 0.0022uF 5% 50V
C223	1-104-543-11	s FILM, CHIP 0.0022uF 5% 50V
C224	1-104-543-11	s FILM, CHIP 0.0022uF 5% 50V
C225	1-104-543-11	s FILM, CHIP 0.0022uF 5% 50V
C226	1-104-539-11	s FILM, CHIP 0.001uF 5% 50V
C227	1-104-539-11	s FILM, CHIP 0.001uF 5% 50V
C228	1-104-539-11	s FILM, CHIP 0.001uF 5% 50V
C229	1-104-539-11	s FILM, CHIP 0.001uF 5% 50V
C230-241	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C242	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C243	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C244	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C245	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C246	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C247	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C248	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C249	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C250	1-104-551-11	s FILM, CHIP 0.01uF 5% 16V
C251	1-104-551-11	s FILM, CHIP 0.01uF 5% 16V
C252	1-104-551-11	s FILM, CHIP 0.01uF 5% 16V
C253	1-104-551-11	s FILM, CHIP 0.01uF 5% 16V
C254	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C255	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C260	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C261	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C262	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C263	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C264	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C265	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C351	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C352	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C353	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C354-364	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C365	1-164-346-11	s CERAMIC 1uF 16V
C366	1-164-346-11	s CERAMIC 1uF 16V
C367	1-164-346-11	s CERAMIC 1uF 16V
C368	1-164-346-11	s CERAMIC 1uF 16V
C369-373	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C374	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C375	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C376	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C377	1-128-394-11	s ELECT 220uF 20% 10V

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Ref. No. or Q'ty	Part No.	SP Description
C378	1-128-394-11	s ELECT 220uF 20% 10V
C379	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C380	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C381	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C382	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C383	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C384	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C385-390	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
CN551	1-565-884-11	o CONNECTOR 12P, MALE
CN552	1-568-521-11	o CONNECTOR 13P, MALE
CN553	1-565-882-11	o CONNECTOR, 10P, MALE
CN554	1-565-877-11	s CONNECTOR, PC BOARD 5P, MALE
CN555	1-565-882-11	o CONNECTOR, 10P, MALE
CN556	1-565-884-11	o CONNECTOR 12P, MALE
CN557	1-566-758-11	o CONNECTOR 3P, MALE
CN558	1-569-761-11	s CONNECTOR, BOARD TO BOATD 20P
CN559	1-565-878-11	s CONNECTOR 6P, MALE
D1	8-719-989-08	s DIODE RB717F
D2	8-719-989-08	s DIODE RB717F
D3	8-719-989-08	s DIODE RB717F
D4	8-719-989-08	s DIODE RB717F
D5	8-719-988-82	s DIODE RB715F
D6	8-719-988-82	s DIODE RB715F
D7	8-719-988-82	s DIODE RB715F
D8	8-719-988-82	s DIODE RB715F
D9	8-719-941-86	s DIODE DAN202U
D201	8-719-941-86	s DIODE DAN202U
D202	8-719-941-86	s DIODE DAN202U
D351	8-759-710-88	s IC NJM431U
D354	8-719-157-23	s DIODE RD4.7M-B
D355	8-719-157-23	s DIODE RD4.7M-B
D356	8-719-157-23	s DIODE RD4.7M-B
D357	8-719-157-36	s DIODE RD6.8M-B
D358	8-719-157-23	s DIODE RD4.7M-B
D359	8-719-157-36	s DIODE RD6.8M-B
D360	8-719-157-23	s DIODE RD4.7M-B
D361	8-719-157-36	s DIODE RD6.8M-B
D362	8-719-157-23	s DIODE RD4.7M-B
IC1-8	8-759-711-85	s IC NJM4580E-D(T2)
IC9	8-759-336-17	s IC AK5390-VS
IC10	8-759-336-17	s IC AK5390-VS
IC11	8-759-079-60	s IC TC74VHC32FS(EL)
IC12	8-759-079-66	s IC TC74VHC123AFS(EL)
IC201	8-759-079-61	s IC TC74VHC74FS(EL)
IC202	8-759-079-80	s IC TC74VHC175FS(EL)
IC203	8-759-170-85	s IC PCM69U-J-T1
IC204	8-759-170-85	s IC PCM69U-J-T1
IC205-210	8-759-711-85	s IC NJM4580E-D(T2)
IC310	8-759-711-58	s IC NJM78L05UA
IC351	8-759-701-01	s IC NJM2904M
IC352	8-759-702-02	s IC NJM062M
IC353	8-759-702-02	s IC NJM062M
IC354	8-759-079-60	s IC TC74VHC32FS(EL)
IC355	8-759-186-84	s IC TC74VHC86F
IC356	8-759-300-71	s IC HD14053BFP
IC357	8-759-009-06	s IC MC14052BF
IC358	8-759-009-06	s IC MC14052BF

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Ref. No. or Q'ty	Part No.	SP Description
IC359	8-759-702-02	s IC NJM062M
IC360	8-759-702-02	s IC NJM062M
IC361	8-759-702-02	s IC NJM062M
Q1	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q2	8-729-012-35	s TRANSISTOR 2SK711-BL
Q3	8-729-012-35	s TRANSISTOR 2SK711-BL
Q4	8-729-012-35	s TRANSISTOR 2SK711-BL
Q5	8-729-012-35	s TRANSISTOR 2SK711-BL
Q201	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q202	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q203	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q204	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q205	8-729-012-35	s TRANSISTOR 2SK711-BL
Q206	8-729-012-35	s TRANSISTOR 2SK711-BL
Q207	8-729-012-35	s TRANSISTOR 2SK711-BL
Q208	8-729-012-35	s TRANSISTOR 2SK711-BL
Q351	8-729-029-06	s TRANSISTOR DTC124EUA-T106
Q352	8-729-029-06	s TRANSISTOR DTC124EUA-T106
Q353	8-729-028-83	s TRANSISTOR DTA124EUA-T106
Q354	8-729-028-83	s TRANSISTOR DTA124EUA-T106
Q355	8-729-028-83	s TRANSISTOR DTA124EUA-T106
Q356	8-729-028-83	s TRANSISTOR DTA124EUA-T106
Q357	8-729-209-07	s TRANSISTOR 2SC4213-B
Q358	8-729-209-07	s TRANSISTOR 2SC4213-B
Q359	8-729-209-07	s TRANSISTOR 2SC4213-B
Q360	8-729-209-07	s TRANSISTOR 2SC4213-B
Q361	8-729-807-51	s TRANSISTOR 2SD1623-S
Q362	8-729-101-07	s TRANSISTOR 2SB798
Q364	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q365	8-729-809-47	s TRANSISTOR 2SD1935-CT7
Q366	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q367	8-729-809-47	s TRANSISTOR 2SD1935-CT7
Q368	8-729-101-07	s TRANSISTOR 2SB798
Q369	8-729-809-47	s TRANSISTOR 2SD1935-CT7
R5	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R6-13	1-208-801-11	s METAL, CHIP 6.2K 0.5% 1/10W
R14	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R15	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R16	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R17	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R18	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R19	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R20	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R21	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R22	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R23	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R24	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R25	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R26	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R27	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R28	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R32-36	1-216-864-11	s METAL, CHIP 0
R37	1-216-295-00	s RES, CHIP 0
R38	1-216-295-00	s RES, CHIP 0
R39	1-216-295-00	s RES, CHIP 0
R44	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R45	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R46	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R47	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R48	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R49	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R50	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R51	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R56	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R57	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R58	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R59	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R64	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R65	1-218-901-11	s METAL, CHIP 180K 0.5% 1/16W
R66	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R67	1-218-901-11	s METAL, CHIP 180K 0.5% 1/16W
R68	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R69	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R70	1-218-901-11	s METAL, CHIP 180K 0.5% 1/16W
R71	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R72	1-218-901-11	s METAL, CHIP 180K 0.5% 1/16W
R73	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R74	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R75	1-218-901-11	s METAL, CHIP 180K 0.5% 1/16W
R76	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R77	1-218-901-11	s METAL, CHIP 180K 0.5% 1/16W
R78	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R79	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R80	1-218-901-11	s METAL, CHIP 180K 0.5% 1/16W
R81	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R82	1-218-901-11	s METAL, CHIP 180K 0.5% 1/16W
R83	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R88	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R89	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R90	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R91	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R92	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R93	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R94	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R95	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R96	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R97	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R98	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R99	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R100	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R101	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R102	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R103	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R104	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R105	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R106	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R107	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R108	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R109	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R110	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R111	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R112	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R113	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R114	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R115	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R116	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R117	1-216-813-11	s METAL, CHIP 220 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R118	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R119	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R120-124	1-218-889-11	s METAL, CHIP 56K 0.5% 1/16W
R125	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R126	1-218-889-11	s METAL, CHIP 56K 0.5% 1/16W
R127	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R128	1-218-889-11	s METAL, CHIP 56K 0.5% 1/16W
R129	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R130	1-218-889-11	s METAL, CHIP 56K 0.5% 1/16W
R131	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R132	1-218-866-11	s METAL, CHIP 6.2K 0.5% 1/16W
R134	1-218-866-11	s METAL, CHIP 6.2K 0.5% 1/16W
R136	1-218-866-11	s METAL, CHIP 6.2K 0.5% 1/16W
R138	1-218-866-11	s METAL, CHIP 6.2K 0.5% 1/16W
R140-147	1-211-991-11	s METAL, CHIP 82 0.5% 1/16W
R148	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R149	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R150	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R151	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R153	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R155	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R157	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R158	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R159	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R201-205	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R206	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R207	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R208-222	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R223	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R224	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R225	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R226	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R227	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R228	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R229	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R230	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R231	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R232	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R233	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R234	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R235	1-218-699-11	s METAL, CHIP 2K 0.5% 1/16W
R236	1-218-699-11	s METAL, CHIP 2K 0.5% 1/16W
R237	1-218-699-11	s METAL, CHIP 2K 0.5% 1/16W
R238	1-218-699-11	s METAL, CHIP 2K 0.5% 1/16W
R239	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R240	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R241	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R242	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R243	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R244	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R245	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R246	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R247-254	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R255	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R256	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R257	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R258	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R259	1-216-666-11	s METAL, CHIP 4.3K 0.5% 1/10W
R260	1-216-666-11	s METAL, CHIP 4.3K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R261	1-216-666-11	s METAL, CHIP 4.3K 0.5% 1/10W
R262	1-216-666-11	s METAL, CHIP 4.3K 0.5% 1/10W
R263	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R264	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R265	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R266	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R267	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R268	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R269	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R270	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R271	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R272	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R273	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R274	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R275	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R276	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R277	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R278	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R279	1-216-844-11	s METAL, CHIP 82K 5% 1/16W
R280	1-216-844-11	s METAL, CHIP 82K 5% 1/16W
R281	1-216-844-11	s METAL, CHIP 82K 5% 1/16W
R282	1-216-844-11	s METAL, CHIP 82K 5% 1/16W
R283	1-218-722-11	s METAL, CHIP 18K 0.5% 1/16W
R284	1-218-845-11	s METAL, CHIP 820 0.5% 1/16W
R285	1-218-722-11	s METAL, CHIP 18K 0.5% 1/16W
R286	1-218-845-11	s METAL, CHIP 820 0.5% 1/16W
R287	1-218-722-11	s METAL, CHIP 18K 0.5% 1/16W
R288	1-218-845-11	s METAL, CHIP 820 0.5% 1/16W
R289	1-218-722-11	s METAL, CHIP 18K 0.5% 1/16W
R290	1-218-845-11	s METAL, CHIP 820 0.5% 1/16W
R291	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R292	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R293	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R294	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R295	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R296	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R297	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R298	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R299	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R300	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R301	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R302	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R303	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R304	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
R305	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
R306	1-218-727-11	s METAL, CHIP 30K 0.5% 1/16W
R307	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R308	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R309	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
R310	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
R311	1-218-727-11	s METAL, CHIP 30K 0.5% 1/16W
R312	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R313	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R314	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
R315	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
R316	1-218-727-11	s METAL, CHIP 30K 0.5% 1/16W
R317	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R318	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R319	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W

## (ADA-44 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R320	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
R321	1-218-727-11	s METAL, CHIP 30K 0.5% 1/16W
R322	1-218-729-11	s METAL, CHIP 36K 0.5% 1/16W
R323-330	1-216-864-11	s METAL, CHIP 0
R331	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R332-337	1-216-313-00	s METAL, CHIP 8.2 5% 1/10W
R351	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R352	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R353	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R354	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R355	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R356	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R357	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R358	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R359	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R360	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R361	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R362	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R363	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R364	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R365	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R366	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R367	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R368	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R369	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R370-377	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R378	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R379	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R380	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R381	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R382	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R383	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R384	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R385	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R386-397	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R398	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R399	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R400	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R401	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R402	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R403	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R404	1-216-864-11	s METAL, CHIP 0
R405	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R406	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R407	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R408	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R409	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R410	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R411	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R412	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R413	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R414	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R415	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R416	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R417	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R418	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R419	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R420	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R421	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W

## (ADA-44 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R422	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R423	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R424	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R425	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R426	1-218-725-11	s METAL, CHIP 24K 0.5% 1/16W
R427	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R428-433	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R434	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R435	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R436	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R437	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R438	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R440-445	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R447-452	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R453	1-215-469-00	s METAL 100K 1% 1/6W
RV1	1-237-034-11	s RES, ADJ METAL 2K
RV2	1-237-034-11	s RES, ADJ METAL 2K
RV3	1-237-034-11	s RES, ADJ METAL 2K
RV4	1-237-034-11	s RES, ADJ METAL 2K
RV5	1-237-039-11	s RES, ADJ METAL 100K
RV6	1-237-039-11	s RES, ADJ METAL 100K
RV7	1-237-039-11	s RES, ADJ METAL 100K
RV8	1-237-039-11	s RES, ADJ METAL 100K
RV40	1-241-522-11	s RES, VAR CARBON 10K
RV50	1-241-522-11	s RES, VAR CARBON 10K
RV60	1-241-522-11	s RES, VAR CARBON 10K
RV70	1-241-522-11	s RES, VAR CARBON 10K
RV201	1-237-038-11	s RES, ADJ METAL 50K
RV202	1-237-038-11	s RES, ADJ METAL 50K
RV203	1-237-038-11	s RES, ADJ METAL 50K
RV204	1-237-038-11	s RES, ADJ METAL 50K
RV205	1-237-034-11	s RES, ADJ METAL 2K
RV206	1-237-034-11	s RES, ADJ METAL 2K
RV207	1-237-034-11	s RES, ADJ METAL 2K
RV208	1-237-034-11	s RES, ADJ METAL 2K
S1	1-554-355-00	s SWITCH, TOGGLE

## APR-20 BOARD

Ref. No. or Q'ty	Part No.	SP Description
lpc	1-658-297-11	o PRINTED CIRCUIT BOARD, APR-20 This board is included in DPR-62 board.
C1-14	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
IC1	8-759-079-49	s IC TC74VHC04FS(EL)
IC2	8-759-079-61	s IC TC74VHC74FS(EL)
IC3	8-759-079-80	s IC TC74VHC175FS(EL)
IC4	8-759-079-80	s IC TC74VHC175FS(EL)
IC5	8-759-186-54	s IC TC74VHC164F
IC6	8-759-079-52	s IC TC74VHC08FS(EL)
IC7	8-759-079-52	s IC TC74VHC08FS(EL)
IC8	8-759-079-97	s IC TC74VHC374FS(EL)
IC9	8-759-079-46	s IC TC74VHC00FS(EL)
IC10	8-759-079-59	s IC TC74VHC27FS(EL)
IC11	8-759-079-74	s IC TC74VHC157FS(EL)
IC12	8-759-079-59	s IC TC74VHC27FS(EL)
IC13	8-759-079-60	s IC TC74VHC32FS(EL)
IC14	8-759-079-97	s IC TC74VHC374FS(EL)
R1-7	1-216-805-11	s METAL, CHIP 47 5% 1/16W

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CC-66 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-932-A	o MOUNTED CIRCUIT BOARD, CC-66
C4	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C5	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C6	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C7	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C8	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C9	1-135-212-21	s TANTALUM 2.2uF 10% 35V
C10	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C11	1-135-212-21	s TANTALUM 2.2uF 10% 35V
C12	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C13	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C14	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C15	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C16	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C17	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C18	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C19	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C20	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
CN451	1-566-759-11	o CONNECTOR 4P, MALE
CN452	1-566-765-11	o CONNECTOR 10P, MALE
CN453	1-566-766-11	o CONNECTOR 11P, MALE
CN454	1-566-758-11	o CONNECTOR 3P, MALE
CN455	1-566-760-11	s CONNECTOR, ZR 5P, MALE
CN456	1-565-880-11	s CONNECTOR 8P, MALE
CN457	1-565-884-11	o CONNECTOR 12P, MALE
CN458	1-750-880-11	s CONNECTOR, COAXIAL, FEMALE
D4	8-719-037-95	s DIODE DA227TL
D5	8-719-037-95	s DIODE DA227TL
D6	8-719-941-09	s DIODE DAP202U
D7	8-719-941-04	s DIODE SB007-03CP
D8	8-719-941-04	s DIODE SB007-03CP
D9	8-719-941-09	s DIODE DAP202U
FB2	1-543-309-21	s BEAD, FERRITE
IC2	8-759-710-82	s IC NJM2406F
IC3	8-759-082-61	s IC TC4W53FU
IC4	8-759-710-82	s IC NJM2406F
IC5	8-759-234-77	s IC TC4S66F
IC6	8-759-030-16	s IC MC34182M
IC10	8-759-082-61	s IC TC4W53FU
Q1	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q3	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q4	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q6	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q7	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q8	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q9	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q10	8-729-117-31	s TRANSISTOR 2SC4177-L5
R1	1-216-625-11	s METAL, CHIP 82 0.5% 1/10W
R2	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R3	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R4	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R5	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R7	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R8	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R9	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

(CC-66 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R10	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R11	1-216-295-00	s RES, CHIP 0
R14	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R15	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R17	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R18	1-218-841-11	s METAL, CHIP 560 0.5% 1/16W
R19	1-218-837-11	s METAL, CHIP 390 0.5% 1/16W
R20	1-218-864-11	s METAL, CHIP 5.1K 0.5% 1/16W
R21	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R22	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R23	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R24	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R25	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R26	1-216-295-00	s RES, CHIP 0
R27	1-216-295-00	s RES, CHIP 0
R28	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R29	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R30	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R31	1-211-991-11	s METAL, CHIP 82 0.5% 1/16W
R32	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R33	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R34	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R35	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R36	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R37	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R38	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R39	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R40	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R41	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R42	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R43	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R44	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R46	1-216-295-00	s RES, CHIP 0
RV1	1-241-521-11	s RES, VAR CARBON 5K
S1	1-570-835-11	s SWITCH, SLIDE
S2	1-570-863-11	s SWITCH, SLIDE

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CON-18 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8272-756-A	o MOUNTED CIRCUIT BOARD, CON-18
CN431	1-566-760-11	s CONNECTOR, ZR 5P, MALE

CP-260/260J BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-934-A o	MOUNTED CIRCUIT BOARD, CP-260 [for UC,SY]
	A-8276-936-A o	MOUNTED CIRCUIT BOARD, CP-260J [for J]
C102	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C103	1-126-403-11 s	ELECT, CHIP 3.3uF 20% 50V
C104	1-126-403-11 s	ELECT, CHIP 3.3uF 20% 50V
C105	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C106	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C112	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C202	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C203	1-126-403-11 s	ELECT, CHIP 3.3uF 20% 50V
C204	1-126-403-11 s	ELECT, CHIP 3.3uF 20% 50V
C205	1-135-213-21 s	TANTALUM 3.3uF 20% 25V
C206	1-163-275-11 s	CERAMIC, CHIP 0.001uF 5% 50V
C207	1-135-213-21 s	TANTALUM 3.3uF 20% 25V
C208	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C209	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C210	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C211	1-163-038-00 s	CERAMIC 0.1uF 25V
C212	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C301	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C302	1-126-403-11 s	ELECT, CHIP 3.3uF 20% 50V
C303	1-126-403-11 s	ELECT, CHIP 3.3uF 20% 50V
C304	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C305	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C312	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C321	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C322	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C401	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C402	1-126-403-11 s	ELECT, CHIP 3.3uF 20% 50V
C403	1-126-403-11 s	ELECT, CHIP 3.3uF 20% 50V
C404	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C405	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C412	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C421	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C422	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C530	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C531	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C532	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C533	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C541	1-135-177-21 s	TANTALUM, CHIP 1uF 10% 25V
C542	1-163-989-11 s	CERAMIC, CHIP 0.033uF 10% 25V
C551	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C552	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C553	1-135-177-21 s	TANTALUM, CHIP 1uF 10% 25V
C554	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C555	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C556	1-135-177-21 s	TANTALUM, CHIP 1uF 10% 25V
C557	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C558	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C559	1-165-176-11 s	CERAMIC 0.047uF 10% 16V
C560	1-128-397-21 s	ELECT 100uF 20% 16V
C561	1-126-398-11 s	ELECT, CHIP 4.7uF 20% 35V
C562	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C563	1-163-809-11 s	CERAMIC, CHIP 0.047uF 10% 25V
C564	1-128-397-21 s	ELECT 100uF 20% 16V
C565	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C566	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V

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Ref. No. or Q'ty	Part No.	SP Description
C567	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C568	1-163-038-00 s	CERAMIC 0.1uF 25V
C569	1-126-402-11 s	ELECT, CHIP 2.2uF 20% 50V
C570	1-126-402-11 s	ELECT, CHIP 2.2uF 20% 50V
C571	1-135-216-11 s	TANTALUM, CHIP 10uF 20% 10V
C602	1-128-393-11 s	ELECT 100uF 20% 10V
C603	1-128-393-11 s	ELECT 100uF 20% 10V
C604	1-128-394-11 s	ELECT 220uF 20% 10V
C605	1-128-394-11 s	ELECT 220uF 20% 10V
C606	1-162-974-11 s	CERAMIC, CHIP 0.01uF 50V
C607	1-162-974-11 s	CERAMIC, CHIP 0.01uF 50V
C611	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C612	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C613	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C614	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C615	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C616	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C704	1-128-394-11 s	ELECT 220uF 20% 10V
C705	1-128-394-11 s	ELECT 220uF 20% 10V
C706	1-162-974-11 s	CERAMIC, CHIP 0.01uF 50V
C707	1-162-974-11 s	CERAMIC, CHIP 0.01uF 50V
C711	1-163-227-11 s	CERAMIC, CHIP 10PF 5% 50V
C712	1-163-227-11 s	CERAMIC, CHIP 10PF 5% 50V
C715	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C716	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C802	1-128-393-11 s	ELECT 100uF 20% 10V
C803	1-128-393-11 s	ELECT 100uF 20% 10V
C804	1-128-394-11 s	ELECT 220uF 20% 10V
C805	1-128-394-11 s	ELECT 220uF 20% 10V
C806	1-162-974-11 s	CERAMIC, CHIP 0.01uF 50V
C807	1-162-974-11 s	CERAMIC, CHIP 0.01uF 50V
C811	1-163-227-11 s	CERAMIC, CHIP 10PF 5% 50V
C812	1-163-227-11 s	CERAMIC, CHIP 10PF 5% 50V
C813	1-163-038-00 s	CERAMIC 0.1uF 25V
C814	1-163-038-00 s	CERAMIC 0.1uF 25V
C816	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C817	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C904	1-128-394-11 s	ELECT 220uF 20% 10V
C905	1-128-394-11 s	ELECT 220uF 20% 10V
C906	1-162-974-11 s	CERAMIC, CHIP 0.01uF 50V
C907	1-162-974-11 s	CERAMIC, CHIP 0.01uF 50V
C911	1-163-227-11 s	CERAMIC, CHIP 10PF 5% 50V
C912	1-163-227-11 s	CERAMIC, CHIP 10PF 5% 50V
C916	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C917	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C1001	1-126-394-11 s	ELECT, CHIP 10uF 20% 16V
C1002	1-163-038-00 s	CERAMIC 0.1uF 25V
C1003	1-163-137-00 s	CERAMIC, CHIP 680PF 5% 50V
C1004	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C1005	1-163-038-00 s	CERAMIC 0.1uF 25V
C1024	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for UC,SY]
C1025	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C1027	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C1029	1-126-393-11 s	ELECT, CHIP 33uF 20% 10V
C1031	1-126-393-11 s	ELECT, CHIP 33uF 20% 10V
C1033	1-126-393-11 s	ELECT, CHIP 33uF 20% 10V
C1035	1-126-393-11 s	ELECT, CHIP 33uF 20% 10V
C1038	1-163-038-00 s	CERAMIC 0.1uF 25V
C1040	1-163-038-00 s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP Description
C1042	1-163-038-00	s CERAMIC 0.1uF 25V
C1044	1-163-038-00	s CERAMIC 0.1uF 25V
C1045	1-126-403-11	s ELECT, CHIP 3.3uF 20% 50V [for UC,SY]
C1046	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C1047	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C1048	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C1049	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C2001	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C2002	1-163-038-00	s CERAMIC 0.1uF 25V
C2003	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C2004	1-126-941-11	s ELECT 470uF 20% 25V
C2005	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C5001	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C5002	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C5003	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C5004	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
CN401	1-566-767-11	o CONNECTOR 12P, MALE
CN402	1-565-877-11	s CONNECTOR, PC BOARD 5P, MALE
CN403	1-565-875-11	o CONNECTOR 3P, MALE
CN404	1-565-875-11	o CONNECTOR 3P, MALE
CN405	1-565-875-11	o CONNECTOR 3P, MALE
CN406	1-565-875-11	o CONNECTOR 3P, MALE
CN407	1-566-761-11	o CONNECTOR 6P, MALE
CN408	1-566-758-11	o CONNECTOR 3P, MALE
CN409	1-580-716-11	o CONNECTOR 13P, MALE
CN410	1-566-767-11	o CONNECTOR 12P, MALE
CN411	1-566-765-11	o CONNECTOR 10P, MALE
CN412	1-580-716-11	o CONNECTOR 13P, MALE
CN413	1-566-758-11	o CONNECTOR 3P, MALE
CN414	1-565-875-11	o CONNECTOR 3P, MALE
CN415	1-565-875-11	o CONNECTOR 3P, MALE
CN416	1-565-875-11	o CONNECTOR 3P, MALE
CN417	1-565-875-11	o CONNECTOR 3P, MALE
CN421	1-566-759-11	o CONNECTOR 4P, MALE
CN1009	1-537-142-11	s TERMINAL
D101	8-719-941-23	s DIODE DA204U
D102	8-719-941-23	s DIODE DA204U
D201	8-719-941-23	s DIODE DA204U
D202	8-719-941-23	s DIODE DA204U
D301	8-719-941-23	s DIODE DA204U
D302	8-719-941-23	s DIODE DA204U
D401	8-719-941-23	s DIODE DA204U
D402	8-719-941-23	s DIODE DA204U
D601	8-719-941-86	s DIODE DAN202U
D602	8-719-941-86	s DIODE DAN202U
D801	8-719-941-86	s DIODE DAN202U
D802	8-719-941-86	s DIODE DAN202U
D1004	8-719-157-36	s DIODE RD6.8M-B
D1005	8-719-157-23	s DIODE RD4.7M-B
D1006	8-719-157-36	s DIODE RD6.8M-B
D1007	8-719-157-23	s DIODE RD4.7M-B
D1008	8-719-157-23	s DIODE RD4.7M-B
D1009	8-719-157-36	s DIODE RD6.8M-B
D1010	8-719-157-23	s DIODE RD4.7M-B
D1011	8-719-157-23	s DIODE RD4.7M-B
D1012	8-719-157-36	s DIODE RD6.8M-B
D1013	8-719-157-23	s DIODE RD4.7M-B

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Ref. No. or Q'ty	Part No.	SP Description
D1014	8-719-157-23	s DIODE RD4.7M-B
D1015	8-719-157-36	s DIODE RD6.8M-B
D1016	8-719-157-23	s DIODE RD4.7M-B
IC101	8-759-711-85	s IC NJM4580E-D(T2)
IC201	8-759-711-85	s IC NJM4580E-D(T2)
IC202	8-759-711-85	s IC NJM4580E-D(T2)
IC301	8-759-711-85	s IC NJM4580E-D(T2)
IC401	8-759-711-85	s IC NJM4580E-D(T2)
IC551	8-759-702-03	s IC NJM072BM
IC552	8-759-701-36	s IC NJM3403AM
IC553	8-759-512-09	s IC NJM386BM
IC554	8-759-512-09	s IC NJM386BM
IC601	8-759-700-96	s IC NJM5534M
IC602	8-759-711-85	s IC NJM4580E-D(T2)
IC603	8-759-700-96	s IC NJM5534M
IC701	8-759-700-96	s IC NJM5534M
IC703	8-759-700-96	s IC NJM5534M
IC801	8-759-700-96	s IC NJM5534M
IC802	8-759-711-85	s IC NJM4580E-D(T2)
IC803	8-759-700-96	s IC NJM5534M
IC901	8-759-700-96	s IC NJM5534M
IC903	8-759-700-96	s IC NJM5534M
IC1001	8-759-079-49	s IC TC74VHC04FS(EL)
IC1004	8-759-079-78	s IC TC74VHC165FS(EL)
IC1007	8-759-234-20	s IC TC7S08F
IC2001	8-759-937-54	s IC S-81250HG-RD-S
L101	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L102	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L201	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L202	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L203	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L204	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L301	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L302	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L401	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L402	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L1001	1-410-371-41	s INDUCTOR CHIP 1.5uH
Q551	8-729-209-07	s TRANSISTOR 2SC4213-B
Q601	8-729-209-07	s TRANSISTOR 2SC4213-B
Q602	8-729-209-07	s TRANSISTOR 2SC4213-B
Q701	8-729-209-07	s TRANSISTOR 2SC4213-B
Q702	8-729-209-07	s TRANSISTOR 2SC4213-B
Q801	8-729-209-07	s TRANSISTOR 2SC4213-B
Q802	8-729-209-07	s TRANSISTOR 2SC4213-B
Q901	8-729-209-07	s TRANSISTOR 2SC4213-B
Q902	8-729-209-07	s TRANSISTOR 2SC4213-B
Q1001	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1002	8-729-101-07	s TRANSISTOR 2SB798
Q1003	8-729-140-63	s TRANSISTOR 2SA1611-M5M6 [for UC,SY]
Q1005	8-729-029-14	s TRANSISTOR DTC144EUA-T106 [for UC,SY]
Q1006	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q1007	8-729-809-47	s TRANSISTOR 2SD1935-CT7
Q1008	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q1009	8-729-809-47	s TRANSISTOR 2SD1935-CT7
Q1010	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q1011	8-729-809-47	s TRANSISTOR 2SD1935-CT7



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Ref. No. or Q'ty	Part No.	SP Description
Q1012	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q1013	8-729-809-47	s TRANSISTOR 2SD1935-CT7
Q1014	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q1015	8-729-809-47	s TRANSISTOR 2SD1935-CT7
Q1016	8-729-117-31	s TRANSISTOR 2SC4177-L5 [for UC,SY]
Q1017	8-729-809-47	s TRANSISTOR 2SD1935-CT7
Q1018	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q1019	8-729-809-47	s TRANSISTOR 2SD1935-CT7
Q1020	8-729-807-87	s TRANSISTOR 2SB1295-UL6
Q2001	8-729-807-51	s TRANSISTOR 2SD1623-S
Q2002	8-729-029-06	s TRANSISTOR DTC124EUA-T106
Q2003	8-729-028-83	s TRANSISTOR DTA124EUA-T106
Q2004	8-729-029-06	s TRANSISTOR DTC124EUA-T106
Q2005	8-729-028-83	s TRANSISTOR DTA124EUA-T106
R102	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R103	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R104	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R105	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R108	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R109	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R111	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R112	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R114	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R115	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R116	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R117	1-218-663-11	s METAL, CHIP 62 0.5% 1/16W
R118	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R119	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R120	1-216-295-00	s RES, CHIP 0
R127	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R131	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R132	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R133	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R134	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R135	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R136	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R137	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R140	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R141	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R142	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R143	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R144	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R145	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R146	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R147	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R148	1-216-673-11	s METAL, CHIP 8.2K 0.5% 1/10W
R153	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R154	1-216-864-11	s METAL, CHIP 0
R155	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R156	1-216-864-11	s METAL, CHIP 0
R202	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R203	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R204	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R205	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R208	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R209	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R211	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R212	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R214	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R215	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R216	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R217	1-218-663-11	s METAL, CHIP 62 0.5% 1/16W
R218	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R219	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R220	1-216-864-11	s METAL, CHIP 0
R221	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R222	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R223	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R224	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R225	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R227	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R231	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R232	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R233	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R234	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R235	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R236	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R237	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R240	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R241	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R242	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R243	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R244	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R245	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R246	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R247	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R248	1-216-673-11	s METAL, CHIP 8.2K 0.5% 1/10W
R253	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R254	1-216-864-11	s METAL, CHIP 0
R255	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R256	1-216-864-11	s METAL, CHIP 0
R301	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R302	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R303	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R304	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R305	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R306	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R308	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R309	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R310	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R311	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R312	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R313	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R314	1-216-622-11	s METAL, CHIP 62 0.5% 1/10W
R315	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R316	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R317	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R320	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R321	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R322	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R323	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R324	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R325	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R326	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R327	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R328	1-216-673-11	s METAL, CHIP 8.2K 0.5% 1/10W
R330	1-216-864-11	s METAL, CHIP 0
R331	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W

## (CP-260/260J BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R332	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R333	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R334	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R335	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R336	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R337	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R338	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R354	1-216-864-11	s METAL, CHIP 0
R356	1-216-864-11	s METAL, CHIP 0
R401	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R402	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R403	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R404	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R405	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R406	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R408	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R409	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R410	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R411	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R412	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R413	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R414	1-218-663-11	s METAL, CHIP 62 0.5% 1/16W
R415	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R416	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R417	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R420	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R421	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R422	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R423	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R424	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R425	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R426	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R427	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R428	1-216-673-11	s METAL, CHIP 8.2K 0.5% 1/10W
R430	1-216-864-11	s METAL, CHIP 0
R431	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R432	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R433	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R434	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R435	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R436	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R437	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R438	1-218-720-11	s METAL, CHIP 15K 0.5% 1/16W
R454	1-216-864-11	s METAL, CHIP 0
R456	1-216-864-11	s METAL, CHIP 0
R530	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R531	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R532	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R533	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R534	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R541	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R542	1-216-295-00	s RES, CHIP 0
R545	1-216-295-00	s RES, CHIP 0
R548	1-216-864-11	s METAL, CHIP 0
R551	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R552	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R553	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R554	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R555	1-216-849-11	s METAL, CHIP 220K 5% 1/16W

## (CP-260/260J BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R556	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R558	1-216-864-11	s METAL, CHIP 0
R561	1-216-662-11	s METAL, CHIP 3K 0.5% 1/10W
R562	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R563	1-216-662-11	s METAL, CHIP 3K 0.5% 1/10W
R564	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R567-574	1-216-864-11	s METAL, CHIP 0
R575	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R576	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R577	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R578	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R579	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R580	1-218-756-11	s METAL, CHIP 150K 0.5% 1/10W
R581	1-208-823-11	s METAL, CHIP 51K 0.5% 1/10W
R582	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R583	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R584	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R585	1-218-756-11	s METAL, CHIP 150K 0.5% 1/10W
R586	1-218-733-11	s METAL, CHIP 51K 0.5% 1/16W
R588	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R589	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R591	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R592	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R593	1-208-800-11	s METAL, CHIP 5.6K 0.5% 1/10W
R594	1-208-800-11	s METAL, CHIP 5.6K 0.5% 1/10W
R595	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R596	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R597	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R598	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R603	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R604	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R605	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R606	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R607	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R608	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R609	1-218-672-11	s METAL, CHIP 150 0.5% 1/16W
R610	1-218-677-11	s METAL, CHIP 240 0.5% 1/16W
R611	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R612	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R613	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R614	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R615	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R616	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R617	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R619	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R620	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R621	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R622	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R625	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R630	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R632	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R633	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R634	1-216-611-11	s METAL, CHIP 22 0.5% 1/10W
R703	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R704	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R705	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R706	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R707	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R708	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W

## (CP-260/260J BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R709	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R710	1-208-767-11	s METAL, CHIP 240 0.5% 1/10W
R711	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R712	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R713	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R714	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R715	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R716	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R717	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R718	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R720	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R721	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R722	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R725	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R730	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R732	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R733	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R734	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R803	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R804	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R805	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R806	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R807	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R808	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R809	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R810	1-208-767-11	s METAL, CHIP 240 0.5% 1/10W
R811	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R812	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R813	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R814	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R815	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R816	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R817	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R818	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R820	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R821	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R822	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R825	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R830	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R832	1-208-771-11	s METAL, CHIP 360 0.5% 1/10W
R833	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R834	1-216-611-11	s METAL, CHIP 22 0.5% 1/10W
R903	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R904	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R905	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R906	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R907	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R908	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R909	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R910	1-208-767-11	s METAL, CHIP 240 0.5% 1/10W
R911	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R912	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R913	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R914	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R915	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R916	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R917	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R918	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R920	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W

## (CP-260/260J BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R921	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R922	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R925	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R930	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R932	1-208-771-11	s METAL, CHIP 360 0.5% 1/10W
R933	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R934	1-216-611-11	s METAL, CHIP 22 0.5% 1/10W
R1001	1-216-789-11	s METAL, CHIP 2.2 5% 1/16W
R1002	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1003	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R1004	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1005	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R1006	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R1007	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R1008	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R1014	1-216-864-11	s METAL, CHIP 0
R1015	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W [for UC,SY]
R1016	1-216-845-11	s METAL, CHIP 100K 5% 1/16W [for UC,SY]
R1018	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R1019	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R1020	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R1021	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R1022	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1023	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1024	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1025	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R1026	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1027	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1028	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1029	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R1030	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1031	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1032	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R1033	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R1034	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1035	1-216-070-00	s METAL, CHIP 7.5K 5% 1/10W
R1036	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1037	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R1038	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1039	1-216-070-00	s METAL, CHIP 7.5K 5% 1/10W
R1040	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R1041	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R1042-1047	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R1048	1-216-295-00	s RES, CHIP 0
R1050	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W [for UC,SY]
R1051	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R1052	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R1053	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R1054	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R2001	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R2002	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
RV551	1-241-264-11	s RES, ADJ, CERMET 10K

(CP-260/260J BOARD)

Ref. No. or Q'ty	Part No.	SP Description
S401	1-570-835-11	s SWITCH, SLIDE
S402	1-570-845-11	s SWITCH, SLIDE
S403	1-570-845-11	s SWITCH, SLIDE
S404-408	1-570-863-11	s SWITCH, SLIDE
S409	1-570-853-11	s SWITCH, SLIDE
S410	1-570-863-11	s SWITCH, SLIDE
S411	1-570-863-11	s SWITCH, SLIDE
S412	1-570-863-11	s SWITCH, SLIDE [for UC,SY]
S413	1-570-863-11	s SWITCH, SLIDE [for UC,SY]
S414	1-570-863-11	s SWITCH, SLIDE [for UC,SY]
S415	1-570-863-11	s SWITCH, SLIDE [for UC,SY]
S416	1-571-217-11	s SWITCH, SLIDE
S417	1-571-217-11	s SWITCH, SLIDE
S418	1-571-217-11	s SWITCH, SLIDE
S419	1-571-217-11	s SWITCH, SLIDE
S420	1-571-087-11	s SWITCH, SLIDE
S421	1-571-087-11	s SWITCH, SLIDE
S422	1-571-087-11	s SWITCH, SLIDE
S423	1-571-087-11	s SWITCH, SLIDE
S424	1-570-853-11	s SWITCH, SLIDE

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CS-25 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-638-701-12	o PRINTED CIRCUIT BOARD, CS-25
CN1	1-564-013-11	o CONNECTOR 3P, MALE
PD3	8-719-939-05	s PHOTOINTERRUPTER GP-1S54
R4	1-247-827-11	s CARBON 680 5% 1/4W
R5	1-247-871-11	s CARBON 47K 5% 1/4W

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CS-26 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
7pcs	1-564-831-11	o CONTACT, FEMALE
1pc	1-569-193-11	o CONTACT, FEMALE
1pc	1-638-702-11	o PRINTED CIRCUIT BOARD, CS-26
CN2	1-564-013-11	o CONNECTOR 3P, MALE
CN957	1-569-200-21	o HOUSING 7P
PD1	8-719-939-05	s PHOTOINTERRUPTER GP-1S54
PD2	8-719-939-05	s PHOTOINTERRUPTER GP-1S54
R1	1-249-413-11	s CARBON 470 5% 1/4W
R2	1-247-871-11	s CARBON 47K 5% 1/4W
R3	1-247-871-11	s CARBON 47K 5% 1/4W

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DC-85 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-658-773-11	o PRINTED CIRCUIT BOARD, DC-85
CN1	1-565-875-11	o CONNECTOR 3P, MALE
CN2	1-565-875-11	o CONNECTOR 3P, MALE

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DET-15 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-638-705-12	o PRINTED CIRCUIT BOARD, DET-15
CN1	1-506-482-11	s CONNECTOR 3P, MALE
PD1	8-719-939-05	s PHOTOINTERRUPTER GP-1S54
R1	1-249-409-11	s CARBON 220 5% 1/4W
R2	1-247-847-11	s CARBON 4.7K 5% 1/4W

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DET-26 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-926-A	o MOUNTED CIRCUIT BOARD, DET-26
CN1	1-506-469-11	s CONNECTOR 4P, MALE
PD1	8-719-988-15	s PHTO REFLECTOR PR-11-C
PD2	8-719-988-15	s PHTO REFLECTOR PR-11-C
Q1	8-729-117-32	s TRANSISTOR 2SC4177
Q2	8-729-117-32	s TRANSISTOR 2SC4177
R1	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R2	1-216-109-00	s METAL, CHIP 330K 5% 1/10W
R3	1-216-109-00	s METAL, CHIP 330K 5% 1/10W

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DIF-31 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-928-A	o MOUNTED CIRCUIT BOARD, DIF-31
C100	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C105	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C107-120	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C121	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V
C122	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C123	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C124	1-107-826-11	s CERAMIC, CHIP 0.1uF 10% 16V
C129	1-107-826-11	s CERAMIC, CHIP 0.1uF 10% 16V
C300	1-107-826-11	s CERAMIC, CHIP 0.1uF 10% 16V
C301	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C302	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C303	1-107-826-11	s CERAMIC, CHIP 0.1uF 10% 16V
C304	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C305	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C306	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C307	1-164-363-11	s CERAMIC, CHIP 560PF 5% 50V
C308	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C309	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C310	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C311	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C312	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C313	1-107-826-11	s CERAMIC, CHIP 0.1uF 10% 16V
C314	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C315-319	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C321	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C346	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C348	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C349	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C350	1-165-128-11	s CERAMIC, CHIP 0.22uF 16V
C351	1-165-128-11	s CERAMIC, CHIP 0.22uF 16V
C352-356	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C357-362	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C364	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C365	1-161-485-00	s CERAMIC 0.1uF 50V
C370	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C500-504	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C505	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C506	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C507	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C508	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C509	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C510	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C511	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C512	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C513	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
CN205	1-750-667-11	s CONNECTOR, BOARD TO BOARD 100P
CN251	1-750-880-11	s CONNECTOR, COAXIAL, FEMALE
CN252	1-750-880-11	s CONNECTOR, COAXIAL, FEMALE
CN253	1-750-880-11	s CONNECTOR, COAXIAL, FEMALE
CN254	1-750-880-11	s CONNECTOR, COAXIAL, FEMALE
D1	8-719-912-20	s DIODE ISS120
D200	8-719-157-36	s DIODE RD6.8M-B
FB300-305	1-543-309-21	s BEAD, FERRITE
FB310	1-543-309-21	s BEAD, FERRITE

## (DIF-31 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC100	8-759-079-94	s IC TC74VHC368FS(EL)
IC101	8-759-080-06	s IC TC74VHC574FS(EL)
IC102	8-759-080-06	s IC TC74VHC574FS(EL)
IC104	8-759-080-03	s IC TC74VHCT541FS(EL)
IC105	8-759-147-05	s IC UPD42101G-3
IC106	8-759-147-05	s IC UPD42101G-3
IC107	8-759-519-12	s IC CXD8281Q
IC108	8-759-172-73	s IC CXD8385Q
IC110	8-741-601-11	s IC SBX1601A
IC300	8-759-054-61	s IC CLC505AJE
IC301	8-741-602-03	s IC SBX1602A
IC302	8-759-079-49	s IC TC74VHC04FS(EL)
IC303	8-759-079-52	s IC TC74VHC08FS(EL)
IC304	8-759-079-60	s IC TC74VHC32FS(EL)
IC305	8-759-172-72	s IC CXD8386AQ
IC306	8-759-079-94	s IC TC74VHC368FS(EL)
IC308	8-759-079-61	s IC TC74VHC74FS(EL)
IC309	8-759-080-06	s IC TC74VHC574FS(EL)
IC310	8-759-080-06	s IC TC74VHC574FS(EL)
IC311	8-759-080-06	s IC TC74VHC574FS(EL)
IC312	8-759-289-69	s IC CXD8280AQ
IC313	8-759-186-32	s TC74VHC21F
IC500	8-759-079-87	s IC TC74VHC245FS(EL)
IC501	8-759-079-70	s IC TC74VHC138FS(EL)
IC502	8-759-233-56	s IC TC74HC688AF
IC503	8-759-079-49	s IC TC74VHC04FS(EL)
IC504	8-759-079-60	s IC TC74VHC32FS(EL)
IC505	8-759-079-61	s IC TC74VHC74FS(EL)
IC506	8-759-079-60	s IC TC74VHC32FS(EL)
IC508	8-759-080-06	s IC TC74VHC574FS(EL)
IC511	8-759-079-69	s IC TC74VHC132FS(EL)
L100	1-410-733-11	s INDUCTOR CHIP 0.22uH
Q100	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q101	8-729-143-46	s TRANSISTOR 2SC3356-R24
Q102	8-729-143-46	s TRANSISTOR 2SC3356-R24
Q103	8-729-143-46	s TRANSISTOR 2SC3356-R24
Q104	8-729-420-74	s TRANSISTOR 2SD1328-RST
Q300	8-729-143-46	s TRANSISTOR 2SC3356-R24
Q301	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q302	8-729-216-22	s TRANSISTOR 2SA1162
Q303	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q306	8-729-420-74	s TRANSISTOR 2SD1328-RST
Q307-328	8-729-024-56	s TRANSISTOR 2SA1808-P
Q330	8-729-420-74	s TRANSISTOR 2SD1328-RST
Q500	8-729-807-51	s TRANSISTOR 2SD1623-S
Q501	8-729-101-07	s TRANSISTOR 2SB798
R102	1-216-864-11	s METAL, CHIP 0
R114-119	1-216-864-11	s METAL, CHIP 0
R130	1-216-864-11	s METAL, CHIP 0
R131	1-216-864-11	s METAL, CHIP 0
R132	1-218-676-11	s METAL, CHIP 220 0.5% 1/16W
R133	1-218-676-11	s METAL, CHIP 220 0.5% 1/16W
R134	1-218-676-11	s METAL, CHIP 220 0.5% 1/16W
R137	1-216-864-11	s METAL, CHIP 0
R138	1-216-864-11	s METAL, CHIP 0
R141	1-216-864-11	s METAL, CHIP 0
R143-149	1-216-864-11	s METAL, CHIP 0

## (DIF-31 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R159	1-216-864-11	s METAL, CHIP 0
R160	1-216-864-11	s METAL, CHIP 0
R161	1-216-864-11	s METAL, CHIP 0
R175	1-216-864-11	s METAL, CHIP 0
R181	1-216-864-11	s METAL, CHIP 0
R182	1-216-864-11	s METAL, CHIP 0
R188	1-216-864-11	s METAL, CHIP 0
R191-195	1-216-864-11	s METAL, CHIP 0
R213-218	1-216-864-11	s METAL, CHIP 0
R230	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R231	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R232	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R233	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R235	1-218-676-11	s METAL, CHIP 220 0.5% 1/16W
R236	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R237	1-218-676-11	s METAL, CHIP 220 0.5% 1/16W
R238	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R239	1-211-981-11	s METAL, CHIP 33 0.5% 1/16W
R240	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R241	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R243	1-211-991-11	s METAL, CHIP 82 0.5% 1/16W
R242	1-211-981-11	s METAL, CHIP 33 0.5% 1/16W
R244	1-218-672-11	s METAL, CHIP 150 0.5% 1/16W
R245	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R246	1-218-664-11	s METAL, CHIP 68 0.5% 1/16W
R247	1-216-864-11	s METAL, CHIP 0
R300	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R301	1-211-991-11	s METAL, CHIP 82 0.5% 1/16W
R302	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R303	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R304	1-218-834-11	s METAL, CHIP 300 0.5% 1/16W
R305	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R306	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R307	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R308	1-218-829-11	s METAL, CHIP 180 0.5% 1/16W
R309	1-216-864-11	s METAL, CHIP 0
R310	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W
R311	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R312	1-218-725-11	s METAL, CHIP 24K 0.5% 1/16W
R313	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R314	1-218-741-11	s METAL, CHIP 110K 0.5% 1/16W
R315	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R316	1-211-991-11	s METAL, CHIP 82 0.5% 1/16W
R317	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R318	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R319	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R320	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R321	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R324	1-218-733-11	s METAL, CHIP 51K 0.5% 1/16W
R325	1-218-296-11	s METAL, CHIP 75K 5% 1/16W
R326	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R334	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R337	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R338	1-218-829-11	s METAL, CHIP 180 0.5% 1/16W
R344-349	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R350-355	1-218-833-11	s METAL, CHIP 270 0.5% 1/16W
R361-365	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R366-370	1-218-833-11	s METAL, CHIP 270 0.5% 1/16W
R374-380	1-216-864-11	s METAL, CHIP 0

## (DIF-31 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R382	1-216-864-11	s METAL, CHIP 0
R383	1-216-864-11	s METAL, CHIP 0
R384	1-216-864-11	s METAL, CHIP 0
R387	1-216-864-11	s METAL, CHIP 0
R389	1-216-864-11	s METAL, CHIP 0
R391	1-216-864-11	s METAL, CHIP 0
R397	1-216-864-11	s METAL, CHIP 0
R398	1-216-864-11	s METAL, CHIP 0
R403	1-216-864-11	s METAL, CHIP 0
R411	1-216-864-11	s METAL, CHIP 0
R419	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R420	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R422	1-216-864-11	s METAL, CHIP 0
R432	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R433	1-218-873-11	s METAL, CHIP 12K 0.5% 1/16W
R434	1-216-854-11	s METAL, CHIP 560K 5% 1/16W
R435	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R436	1-216-864-11	s METAL, CHIP 0
R437	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R439	1-216-864-11	s METAL, CHIP 0
R444	1-216-864-11	s METAL, CHIP 0
R446	1-216-864-11	s METAL, CHIP 0
R448	1-216-864-11	s METAL, CHIP 0
R450	1-216-864-11	s METAL, CHIP 0
R451	1-216-864-11	s METAL, CHIP 0
R452	1-216-864-11	s METAL, CHIP 0
R455	1-216-864-11	s METAL, CHIP 0
R456	1-216-864-11	s METAL, CHIP 0
R500	1-216-864-11	s METAL, CHIP 0
R502	1-216-864-11	s METAL, CHIP 0
R504	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R507	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R515	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R516	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R517	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R518	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R519	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R520	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
RB100	1-239-407-11	s NETWORK RESISTOR (CHIP) 330
RB102	1-239-389-11	s NETWORK RESISTOR (CHIP) 47K
RB103	1-239-407-11	s NETWORK RESISTOR (CHIP) 330
RB105	1-239-389-11	s NETWORK RESISTOR (CHIP) 47K
RB106	1-239-407-11	s NETWORK RESISTOR (CHIP) 330
RB107	1-239-407-11	s NETWORK RESISTOR (CHIP) 330
RB108	1-239-389-11	s NETWORK RESISTOR (CHIP) 47K
RB111	1-239-416-11	s NETWORK RESISTOR (CHIP) 220
RB112	1-239-416-11	s NETWORK RESISTOR (CHIP) 220
RB300	1-239-389-11	s NETWORK RESISTOR (CHIP) 47K
RB301	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB310	1-239-423-11	s NETWORK RESISTOR (CHIP) 1.2K
RB311	1-239-423-11	s NETWORK RESISTOR (CHIP) 1.2K
RB312	1-239-423-11	s NETWORK RESISTOR (CHIP) 1.2K
RB500	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB501	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB502	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RV100	1-237-036-11	s RES, ADJ METAL 10K
RV300	1-237-036-11	s RES, ADJ METAL 10K

## (DIF-31 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
S300	1-692-881-21	s SWITCH, SLIDE

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DPR-62/62P BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-944-A	o MOUNTED CIRCUIT BOARD, DPR-62 [for NTSC]
	A-8276-946-A	o MOUNTED CIRCUIT BOARD, DPR-62P [for PAL]
This board include APR-20 board.		
C1	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C2	1-128-391-11	s ELECT 330uF 20% 6.3V
C4	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C7-12	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C13	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C14	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C15	1-110-985-11	s ELECT 0.0012F 20% 6.3V
C16	1-128-391-11	s ELECT 330uF 20% 6.3V
C17	1-128-391-11	s ELECT 330uF 20% 6.3V
C18	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C19-24	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C28	1-110-985-11	s ELECT 0.0012F 20% 6.3V
C100	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C105	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C110	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C111	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C113	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C114	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C115	1-135-091-00	s TANTALUM, CHIP 1uF 20% 16V
C116	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C117	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C120	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C121	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C123	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C124	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C128	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C130	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C200	1-126-412-11	s ELECT, CHIP 220uF 20% 4V
C201	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C202	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C203	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C204	1-126-412-11	s ELECT, CHIP 220uF 20% 4V
C205-210	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C211	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C212	1-135-210-11	s TANTALUM, CHIP 4.7uF 20% 10V [for PAL]
C213	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C217	1-135-091-00	s TANTALUM, CHIP 1uF 20% 16V
C219	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C221	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C225	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C229	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C232	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C235	1-135-138-11	s TANTALUM 10uF 20% 25V [for NTSC]
	1-135-167-21	s TANTALUM, CHIP 68uF 20% 6.3V [for PAL]
C238	1-135-138-11	s TANTALUM 10uF 20% 25V [for NTSC]
	1-135-167-21	s TANTALUM, CHIP 68uF 20% 6.3V [for PAL]
C239	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C240	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C300-313	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

(DPR-62/62P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C334	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C336	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C338	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C339	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C340	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C341	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C342	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C343	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C344	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C347	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C348	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C350	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C351	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C352	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C353	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C355	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C356	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C360	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C500	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C501	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C502	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C504	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C505	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C507	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C508	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C510	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C512	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C513	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C514	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C515	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C600-606	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C608	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C610	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C612	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C700-723	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C800	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C801	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C804	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C805	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C812	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C814	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C816	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C818	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C820	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C822	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C824	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C826	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C828	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C830	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C832	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C834	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C836	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C839-846	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C901	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C903	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C905	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C907	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C909	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C911	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V



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Ref. No. or Q'ty	Part No.	SP Description
C913	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C915	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C917	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C919	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1000	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C1001	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C1002	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C1003	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1004	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C1005	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1006	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C1007	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1008	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C1009	1-164-489-11 s	CERAMIC, CHIP 0.22uF 10% 16V
C1010	1-164-489-11 s	CERAMIC, CHIP 0.22uF 10% 16V
C1011-1015	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1018	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1019	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1100	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C1101	1-135-215-21 s	TANTALUM, CHIP 6.8uF 10% 16V
C1102-1109	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1110	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C1111	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C1112-1121	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1122	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V
C1123	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V
C1124	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V
C1125	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V
C1126	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V
C1127	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V
C1128-1133	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1134-1141	1-162-957-11 s	CERAMIC, CHIP 220PF 5% 50V
C1142-1146	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1147	1-135-215-21 s	TANTALUM, CHIP 6.8uF 10% 16V
C1148	1-162-967-11 s	CERAMIC, CHIP 0.0033uF 10% 50V
C1149	1-162-967-11 s	CERAMIC, CHIP 0.0033uF 10% 50V
C1150-1154	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1155	1-162-995-11 s	CERAMIC, CHIP 0.022uF 50V
C1156	1-162-995-11 s	CERAMIC, CHIP 0.022uF 50V
C1157	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1158	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C1159	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C1160	1-162-995-11 s	CERAMIC, CHIP 0.022uF 50V
C1161	1-162-995-11 s	CERAMIC, CHIP 0.022uF 50V
C1162	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1163	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1200	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1202	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1204	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1206	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP Description
C1208	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1210	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1212	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1214	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1216	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1218	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1220	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1222	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1224	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1226	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1228	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1230	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1300	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1301	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1302	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1303	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1304	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V [for PAL]
C1305	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C1306	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V [for NTSC]
C1307	1-162-957-11 s	CERAMIC, CHIP 220PF 5% 50V
C1308	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1309	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1310	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C1311	1-104-547-11 s	FILM, CHIP 0.0047uF 5% 16V [for PAL]
C1312	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1313	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C1314	1-162-957-11 s	CERAMIC, CHIP 220PF 5% 50V
C1315	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1316	1-104-547-11 s	FILM, CHIP 0.0047uF 5% 16V [for PAL]
C1317	1-162-957-11 s	CERAMIC, CHIP 220PF 5% 50V
C1318	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V [for NTSC]
C1319	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V [for NTSC]
C1320	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1321	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V [for NTSC]
C1323	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C1324	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1326	1-135-085-21 s	TANTALUM, CHIP 4.7uF 20% 25V [for PAL]
C1327	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1328	1-135-085-21 s	TANTALUM, CHIP 4.7uF 20% 25V [for PAL]
C1329	1-104-559-11 s	FILM, CHIP 0.047uF 5% 16V
C1330	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1331	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1332	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C1333	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C1334	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1336	1-162-911-11 s	CERAMIC, CHIP 6PF 50V
C1337	1-162-907-11 s	CERAMIC, CHIP 2PF 50V
C1338	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP Description
C1339	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C1340	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1341	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1342	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1343	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1344	1-164-489-11 s	CERAMIC, CHIP 0.22uF 10% 16V
C1345	1-135-179-21 s	TANTALUM 2.2uF 10% 16V
C1346	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1347	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1348	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1350	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1351	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1353	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1355	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C1356	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1358	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1359	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C1360	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1361	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1362	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C1363-1369	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1370	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C1371	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1372	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1373	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V
C1374	1-162-957-11 s	CERAMIC, CHIP 220PF 5% 50V
C1375	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V
C1376	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1377	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1378	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1379	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1380	1-164-218-11 s	CERAMIC, CHIP 180PF 50V [for NTSC]
C1381	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1382	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1383	1-162-928-11 s	CERAMIC, CHIP 120PF 5% 50V [for NTSC]
	1-164-217-11 s	CERAMIC 150PF 5% 50V [for PAL]
C1384	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1385	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1386	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1387	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1388	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V [for PAL]
C1389	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1390	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1391	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V [for PAL]
C1392	1-162-957-11 s	CERAMIC, CHIP 220PF 5% 50V [for PAL]
C1393	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C1394	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V [for PAL]
C1395	1-126-394-11 s	ELECT, CHIP 10uF 20% 16V
C1396	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1397	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1398	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1399	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for PAL]
C1400	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1401	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C1402	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP Description
C1403	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1404	1-162-963-11 s	CERAMIC, CHIP 680PF 10% 50V
C1405	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C1406	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1408	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1410	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C1411	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1413	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1415	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1416	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1417	1-135-227-11 s	TANTALUM, CHIP 100uF 20% 6.3V
C1418	1-135-227-11 s	TANTALUM, CHIP 100uF 20% 6.3V
C1419	1-135-227-11 s	TANTALUM, CHIP 100uF 20% 6.3V
C1420	1-135-227-11 s	TANTALUM, CHIP 100uF 20% 6.3V
C1421	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V
C1422	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1423	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1424	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1425	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1427	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1428	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1430	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1433	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1434	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C1450	1-162-718-11 s	CERAMIC 220PF 1% 50V
C1600	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1601	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1602	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C1603	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C2500	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C2501	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C2502	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
CN201	1-774-269-11 s	CONNECTOR, BOARD TO BOARD 30P
CN202	1-774-269-11 s	CONNECTOR, BOARD TO BOARD 30P
CN203	1-774-268-11 s	CONNECTOR, BOARD TO BOARD 26P
CN204	1-774-266-11 s	CONNECTOR, BOARD TO BOARD 18P
CN205	1-750-667-11 s	CONNECTOR, BOARD TO BOARD 100P
CN206	1-566-765-11 o	CONNECTOR 10P, MALE
CN207	1-566-767-11 o	CONNECTOR 12P, MALE
CN208	1-566-761-11 o	CONNECTOR 6P, MALE
CN211	1-565-430-11 s	SOCKET, SIL 10P
CN212	1-573-201-11 s	SOCKET, SIL 5P
CN213	1-573-201-11 s	SOCKET, SIL 5P
CN908	1-774-267-11 s	CONNECTOR, BOARD TO BOARD 20P
CN909	1-774-269-11 s	CONNECTOR, BOARD TO BOARD 30P
CN910	1-774-269-11 s	CONNECTOR, BOARD TO BOARD 30P
CN911	1-774-269-11 s	CONNECTOR, BOARD TO BOARD 30P
CP100	1-760-275-11 s	VCO, CRYSTAL 27.00000000MHz
CP200	1-760-277-11 s	VCO, CRYSTAL 28.63636000MHz [for NTSC]
	1-760-263-11 s	VCO, CRYSTAL 35.46895000MHz [for PAL]
CP1100	1-760-847-21 s	OSCILLATOR, CRYSTAL 33.07825000MHz [for NTSC]
	1-760-846-11 s	OSCILLATOR, CRYSTAL 32.51435000MHz [for PAL]
CP1300	1-760-267-11 s	VCO, CRYSTAL 14.31818000MHz [for NTSC]
	1-760-268-11 s	VCO, CRYSTAL 17.73447500MHz [for PAL]

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Ref. No. or Q'ty	Part No.	SP Description
CP1301	1-577-223-11	s VCO 24.576MHz
CP1302	1-760-275-11	s VCO, CRYSTAL 27.00000000MHz
D200	8-719-941-23	s DIODE DA204U [for PAL]
D301	8-719-941-23	s DIODE DA204U
D302	8-719-023-69	s DIODE SB007T03Q
D303	8-719-023-69	s DIODE SB007T03Q
D304	8-719-023-69	s DIODE SB007T03Q
D305	8-719-941-23	s DIODE DA204U
D1100	8-719-941-23	s DIODE DA204U
D1300	8-719-941-23	s DIODE DA204U [for NTSC]
D1301-1305	8-719-941-23	s DIODE DA204U
D1306	8-719-123-82	s DIODE 1SS303-T1
D1307	8-719-023-69	s DIODE SB007T03Q
D1308	8-719-123-82	s DIODE 1SS303-T1
D1400	8-719-941-23	s DIODE DA204U
FB1	1-543-309-21	s BEAD, FERRITE
FB2	1-543-309-21	s BEAD, FERRITE
FB101	1-543-309-21	s BEAD, FERRITE
FB201	1-543-309-21	s BEAD, FERRITE
FB1301	1-543-309-21	s BEAD, FERRITE
FB1303	1-543-309-21	s BEAD, FERRITE
FB1304	1-543-309-21	s BEAD, FERRITE
IC4	8-759-079-85	s IC TC74VHC244FS(EL)
IC20	8-759-079-85	s IC TC74VHC244FS(EL)
IC21	8-759-079-85	s IC TC74VHC244FS(EL)
IC22	8-759-079-85	s IC TC74VHC244FS(EL)
IC25	8-759-079-49	s IC TC74VHC04FS(EL)
IC26	8-759-079-52	s IC TC74VHC08FS(EL)
IC105	8-759-234-20	s IC TC7S08F
IC111	8-759-080-02	s IC TC74VHC541FS(EL)
IC112	8-759-359-12	s IC DS1000Z-100
IC113	8-752-306-51	s IC CX23065A
IC114	8-759-105-49	s IC UPC319G2
IC116	8-752-360-90	s IC CXD303-101Q [for NTSC]
IC117-203	8-759-079-74	s IC TC74VHC157FS(EL)
IC204	8-759-517-31	s IC S-8052-ANY-NH
IC205	8-759-249-01	s IC CXD8382BQ
IC206	8-759-080-02	s IC TC74VHC541FS(EL)
IC207	8-759-079-87	s IC TC74VHC245FS(EL)
IC208	8-752-306-51	s IC CX23065A
IC209	8-759-277-19	s IC UPD485505G-35
IC210	8-759-079-46	s IC TC74VHC00FS(EL)
IC211	8-759-030-16	s IC MC34182M
IC212	8-759-277-19	s IC UPD485505G-35
IC213	8-759-234-77	s IC TC4S66F [for PAL]
IC214	8-759-082-55	s IC TC7W00FU [for PAL]
IC300	8-759-079-52	s IC TC74VHC08FS(EL)
IC301	8-759-079-86	s IC TC74VHCT244FS(EL)
IC302	8-759-927-12	s IC SN74HCT244ANS
IC303	8-759-269-09	s IC SN74HCT04ANS
IC304	8-759-940-45	s IC S-8054HN-CB
IC305	8-759-175-71	s IC UPD78P014GC-AB8
IC306	8-759-097-51	s IC MSM6524GS-VKR2
IC307	8-759-082-57	s IC TC7W04FU
IC309	8-759-080-02	s IC TC74VHC541FS(EL)

## (DPR-62/62P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC310	8-759-277-19	s IC UPD485505G-35
IC311	8-759-277-19	s IC UPD485505G-35
IC312	8-759-277-19	s IC UPD485505G-35
IC313	8-759-186-54	s IC TC74VHC164F
IC314	8-759-080-03	s IC TC74VHCT541FS(EL)
IC316	8-759-079-86	s IC TC74VHCT244FS(EL)
IC500	8-759-080-02	s IC TC74VHC541FS(EL)
IC501	8-759-188-02	s IC CXD8854Q
IC503	8-759-186-84	s IC TC74VHC86F
IC600	8-759-349-09	s IC UPD434008LE-20-P
IC601	8-759-349-09	s IC UPD434008LE-20-P
IC602	8-759-349-09	s IC UPD434008LE-20-P
IC603	8-759-177-52	s IC HM62W8127HJP-27
IC604	8-759-177-52	s IC HM62W8127HJP-27
IC605	8-759-177-52	s IC HM62W8127HJP-27
IC606	8-759-177-52	s IC HM62W8127HJP-27
IC701	8-759-177-53	s IC HM62W8127HJP-35
IC702	8-759-177-53	s IC HM62W8127HJP-35
IC704	8-759-177-53	s IC HM62W8127HJP-35
IC705	8-759-177-53	s IC HM62W8127HJP-35
IC707	8-759-177-49	s IC HM62W9127HJP-35
IC708	8-759-177-49	s IC HM62W9127HJP-35
IC800	8-759-079-60	s IC TC74VHC32FS(EL)
IC801	8-759-079-87	s IC TC74VHC245FS(EL)
IC802	8-759-080-02	s IC TC74VHC541FS(EL)
IC803	8-759-175-60	s IC SN74LVLT245NS-E05
IC808	8-759-080-06	s IC TC74VHC574FS(EL)
IC809	8-759-080-06	s IC TC74VHC574FS(EL)
IC811	8-759-349-09	s IC UPD434008LE-20-P
IC812	8-759-349-09	s IC UPD434008LE-20-P
IC813	8-759-349-09	s IC UPD434008LE-20-P
IC1000	8-759-079-74	s IC TC74VHC157FS(EL)
IC1001	8-759-079-74	s IC TC74VHC157FS(EL)
IC1002	8-759-080-02	s IC TC74VHC541FS(EL)
IC1003	8-759-079-80	s IC TC74VHC175FS(EL)
IC1005	8-759-177-53	s IC HM62W8127HJP-35
IC1006	8-759-079-52	s IC TC74VHC08FS(EL)
IC1007	8-759-195-81	s IC TC7S86FU
IC1008	8-759-079-60	s IC TC74VHC32FS(EL)
IC1009	8-759-079-52	s IC TC74VHC08FS(EL)
IC1011	8-759-186-43	s IC TC74VHC123AF
IC1013	8-759-080-06	s IC TC74VHC574FS(EL)
IC1014	8-759-079-80	s IC TC74VHC175FS(EL)
IC1103	8-759-080-02	s IC TC74VHC541FS(EL)
IC1104	8-759-079-46	s IC TC74VHC00FS(EL)
IC1105	8-752-377-24	s IC CXD306-138Q
IC1106	8-759-079-46	s IC TC74VHC00FS(EL)
IC1107	8-759-174-16	s IC TC74VHC244F
IC1108	8-759-079-74	s IC TC74VHC157FS(EL)
IC1109	8-759-079-74	s IC TC74VHC157FS(EL)
IC1111	8-752-377-24	s IC CXD306-138Q
IC1112	8-759-080-02	s IC TC74VHC541FS(EL)
IC1113	8-759-186-84	s IC TC74VHC86F
IC1114	8-759-080-02	s IC TC74VHC541FS(EL)
IC1115	8-759-080-02	s IC TC74VHC541FS(EL)
IC1116	8-759-112-53	s IC UPC1663G
IC1117	8-759-112-53	s IC UPC1663G
IC1118	8-759-030-55	s IC MC1496M
IC1119	8-759-030-55	s IC MC1496M

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Ref. No. or Q'ty	Part No.	SP Description
IC1120	8-759-082-53	s IC TLC274CPW
IC1121	8-759-079-74	s IC TC74VHC157FS(EL)
IC1122	8-759-080-06	s IC TC74VHC574FS(EL)
IC1124	8-759-082-58	s IC TC7W08FU
IC1300	8-759-195-81	s IC TC7S86FU [for PAL]
IC1301	8-759-014-29	s IC MC34184M [for PAL]
IC1302	8-759-300-71	s IC HD14053BFP
IC1303	8-759-987-27	s IC LM1881M
IC1304	8-759-239-58	s IC TC74HC221AF
IC1305	8-752-306-51	s IC CX23065A [for NTSC]
IC1306	8-759-030-16	s IC MC34182M [for PAL]
IC1307	8-759-262-03	s IC MC14577CF
IC1308	8-759-030-16	s IC MC34182M
IC1309	8-759-702-08	s IC NJM360M
IC1310	8-759-925-05	s IC LM2903PS [for PAL]
IC1311	8-759-082-57	s IC TC7W04FU
IC1312	8-759-184-64	s IC TC4W66FU
IC1313	8-759-035-93	s IC TC7S32F-TE85L [for PAL]
IC1314	8-759-702-08	s IC NJM360M
IC1315	8-759-907-81	s IC SN74LS221NS
IC1316	8-759-175-66	s IC CXD8817Q
IC1317	8-759-014-29	s IC MC34184M
IC1318	8-759-907-81	s IC SN74LS221NS
IC1319	8-759-082-57	s IC TC7W04FU
IC1320	8-752-334-64	s IC CXD1171M
IC1321	8-759-926-15	s IC SN74HC151ANS
IC1322	8-759-234-20	s IC TC7S08F
IC1323	8-759-082-57	s IC TC7W04FU
IC1324	8-759-186-53	s IC TC74VHC163F
IC1325	8-759-925-05	s IC LM2903PS
IC1326	8-759-702-08	s IC NJM360M
IC1327	8-759-186-39	s IC TC74VHC74F
IC1328	8-759-907-81	s IC SN74LS221NS
IC1329	8-752-334-64	s IC CXD1171M [for PAL]
IC1330	8-759-082-61	s IC TC4W53FU
IC1331	8-759-080-02	s IC TC74VHC541FS(EL)
IC1332	8-752-306-51	s IC CX23065A
IC1333	8-759-702-08	s IC NJM360M [for PAL]
IC1334	8-759-030-16	s IC MC34182M
IC1335	8-759-926-15	s IC SN74HC151ANS
IC1336	8-759-907-81	s IC SN74LS221NS
IC1337	8-759-175-65	s IC CXD8821Q
IC1338	8-759-262-03	s IC MC14577CF
IC1339	8-759-082-61	s IC TC4W53FU
IC1340	8-759-014-29	s IC MC34184M
IC1341	8-759-234-77	s IC TC4S66F
IC1342	8-759-234-77	s IC TC4S66F
IC1343	8-759-174-16	s IC TC74VHC244F
IC1344	8-759-186-77	s IC TC74VHC541F
IC1345	8-759-186-63	s IC TC74VHC245F
IC1346	8-759-186-63	s IC TC74VHC245F
IC1348	8-759-272-21	s IC TC74VHCT541F
IC1349	8-759-272-21	s IC TC74VHCT541F
IC1600	8-759-348-81	s IC SM5843AS1-E2
IC1601	8-759-348-81	s IC SM5843AS1-E2
IC1602	8-759-269-16	s IC SN74HCT32ANS
IC1603	8-759-348-81	s IC SM5843AS1-E2
IC1604	8-759-348-81	s IC SM5843AS1-E2
IC1605	8-759-079-74	s IC TC74VHC157FS(EL)

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Ref. No. or Q'ty	Part No.	SP Description
IC2500	8-759-079-97	s IC TC74VHC374FS(EL)
IC2501	8-759-079-97	s IC TC74VHC374FS(EL)
IC2502	8-759-348-79	s IC TE7751
IC3000	8-759-079-74	s IC TC74VHC157FS(EL)
IC3001	8-759-079-60	s IC TC74VHC32FS(EL)
IC3002	8-759-079-60	s IC TC74VHC32FS(EL)
IC5900	8-759-079-80	s IC TC74VHC175FS(EL)
L1-7	1-409-579-11	s COIL, CHOKE 8.2uH
L10	1-409-579-11	s COIL, CHOKE 8.2uH
L12	1-409-579-11	s COIL, CHOKE 8.2uH
L13	1-409-579-11	s COIL, CHOKE 8.2uH
L1300	1-412-138-11	s INDUCTOR 100uH
L1301	1-412-188-11	s INDUCTOR 22uH
L1302	1-410-388-31	s INDUCTOR, CHIP 39uH [for PAL]
	1-410-391-11	s INDUCTOR, CHIP 68uH [for NTSC]
L1303	1-412-191-11	s INDUCTOR 47uH
L1304	1-412-191-11	s INDUCTOR 47uH
L1305	1-412-191-11	s INDUCTOR 47uH [for PAL]
L1306	1-412-191-11	s INDUCTOR 47uH [for PAL]
Q1100	8-729-140-47	s TRANSISTOR 2SC3735-B34
Q1101	8-729-140-47	s TRANSISTOR 2SC3735-B34
Q1102	8-729-140-47	s TRANSISTOR 2SC3735-B34
Q1103	8-729-824-34	s TRANSISTOR 2SJ187
Q1104	8-729-140-47	s TRANSISTOR 2SC3735-B34
Q1300	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1301	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1302	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q1303	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q1304	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q1305	8-729-117-32	s TRANSISTOR 2SC4177
Q1306	8-729-117-32	s TRANSISTOR 2SC4177
Q1307	8-729-117-32	s TRANSISTOR 2SC4177
Q1308	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1309	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1310	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1311	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q1312	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1313	8-729-117-32	s TRANSISTOR 2SC4177
R1	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R2	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R3	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R4	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R5	1-216-864-11	s METEL, CHIP 0 [for PAL]
R6	1-216-864-11	s METEL, CHIP 0
R7	1-216-864-11	s METEL, CHIP 0
R10	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R11	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R12	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R16	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R17	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R18	1-216-864-11	s METEL, CHIP 0
R19	1-216-864-11	s METEL, CHIP 0
R20	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R21	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R22	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R23	1-216-864-11	s METEL, CHIP 0
R26	1-216-864-11	s METEL, CHIP 0
R27	1-216-864-11	s METEL, CHIP 0

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Ref. No. or Q'ty	Part No.	SP Description
R31	1-216-864-11	s METEL, CHIP 0
R32	1-216-864-11	s METEL, CHIP 0
R33	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R102	1-216-864-11	s METEL, CHIP 0
R103	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R104	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R105	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R107	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R110	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R111	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R112	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R113	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R114	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R118	1-216-864-11	s METEL, CHIP 0
R120	1-216-864-11	s METEL, CHIP 0
R121	1-216-864-11	s METEL, CHIP 0
R122	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R123	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R124	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R125	1-216-864-11	s METEL, CHIP 0
R126	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R127	1-216-864-11	s METEL, CHIP 0
R128	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R129	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R130	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R131	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R132	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R133	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R134	1-216-864-11	s METEL, CHIP 0
R135	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R138	1-216-864-11	s METEL, CHIP 0
R139	1-216-864-11	s METEL, CHIP 0
R140	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R142	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R200	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R201	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R202	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R203	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R204	1-216-833-11	s METAL, CHIP 10K 5% 1/16W [for NTSC]
R206	1-216-833-11	s METAL, CHIP 10K 5% 1/16W [for PAL]
R207	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R208	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R209	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R210	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W [for PAL]
R211	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R213	1-216-864-11	s METEL, CHIP 0
R214	1-216-805-11	s METAL, CHIP 47 5% 1/16W [for PAL]
R215	1-216-805-11	s METAL, CHIP 47 5% 1/16W [for NTSC]
R216	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R217	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R218	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R219	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R220	1-216-853-11	s METAL, CHIP 470K 5% 1/16W [for PAL]
R221	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R222	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R223	1-216-864-11	s METEL, CHIP 0
R224	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R225	1-216-864-11	s METEL, CHIP 0
R226	1-216-857-11	s METAL, CHIP 1M 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R227	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R228	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R229	1-216-864-11	s METEL, CHIP 0
R230	1-216-864-11	s METEL, CHIP 0
R231	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R232	1-216-864-11	s METEL, CHIP 0
R233	1-216-864-11	s METEL, CHIP 0
R234	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R235	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R236	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R237	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R290	1-216-864-11	s METEL, CHIP 0
R292	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R296	1-216-864-11	s METEL, CHIP 0
R300	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R301	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R302	1-216-864-11	s METEL, CHIP 0
R304	1-216-864-11	s METEL, CHIP 0
R305	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R307	1-216-864-11	s METEL, CHIP 0
R308	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R309	1-216-864-11	s METEL, CHIP 0
R310	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R311	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R312	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R314	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R315	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R316	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R317	1-216-864-11	s METEL, CHIP 0
R318	1-216-864-11	s METEL, CHIP 0
R319-325	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R326	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R327	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R328	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R329	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R330	1-216-864-11	s METEL, CHIP 0
R331	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R333	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R334	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R335	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R336	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R337	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R338	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R339	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R340	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R341	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R342	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R343-348	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R349	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R350	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R351	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R352	1-216-864-11	s METEL, CHIP 0
R354	1-216-805-11	s METAL, CHIP 47 5% 1/16W [for PAL]
R355	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R356	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R357-363	1-216-864-11	s METEL, CHIP 0
R364	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R375	1-216-864-11	s METEL, CHIP 0
R377-382	1-216-864-11	s METEL, CHIP 0

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Ref. No. or Q'ty	Part No.	SP Description
R383	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R384	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R385	1-216-864-11 s	METEL, CHIP 0
R390	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R391	1-216-864-11 s	METEL, CHIP 0
R392	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R395	1-216-864-11 s	METEL, CHIP 0
R502	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R503	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R504	1-216-864-11 s	METEL, CHIP 0
R505	1-216-864-11 s	METEL, CHIP 0
R506	1-216-864-11 s	METEL, CHIP 0
R507	1-216-864-11 s	METEL, CHIP 0 [for NTSC]
R508	1-216-864-11 s	METEL, CHIP 0
R509	1-216-864-11 s	METEL, CHIP 0
R510	1-216-864-11 s	METEL, CHIP 0
R513	1-216-864-11 s	METEL, CHIP 0
R514	1-216-864-11 s	METEL, CHIP 0
R515	1-216-864-11 s	METEL, CHIP 0
R516	1-216-864-11 s	METEL, CHIP 0
R517	1-216-864-11 s	METEL, CHIP 0 [for PAL]
R518	1-216-864-11 s	METEL, CHIP 0
R609	1-216-864-11 s	METEL, CHIP 0
R611	1-216-864-11 s	METEL, CHIP 0
R613	1-216-864-11 s	METEL, CHIP 0
R700	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R701-712	1-216-864-11 s	METEL, CHIP 0
R713	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R714	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R715	1-216-864-11 s	METEL, CHIP 0
R716	1-216-864-11 s	METEL, CHIP 0
R719	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R720-730	1-216-864-11 s	METEL, CHIP 0
R800	1-216-864-11 s	METEL, CHIP 0
R801	1-216-864-11 s	METEL, CHIP 0
R802	1-216-864-11 s	METEL, CHIP 0
R809-815	1-216-864-11 s	METEL, CHIP 0
R816	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R817	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R818	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R1000-1006	1-216-864-11 s	METEL, CHIP 0
R1007	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1008-1012	1-216-864-11 s	METEL, CHIP 0
R1014	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R1015	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R1016	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R1019	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R1020	1-216-864-11 s	METEL, CHIP 0
R1022	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R1023	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R1024	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R1025	1-216-864-11 s	METEL, CHIP 0
R1026	1-216-864-11 s	METEL, CHIP 0
R1027	1-216-864-11 s	METEL, CHIP 0
R1028	1-218-740-11 s	METAL, CHIP 100K 0.5% 1/16W
R1029	1-218-740-11 s	METAL, CHIP 100K 0.5% 1/16W

## (DPR-62/62P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R1030	1-216-864-11 s	METEL, CHIP 0
R1100	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R1101	1-218-707-11 s	METAL, CHIP 4.3K 0.5% 1/16W
R1102	1-216-864-11 s	METEL, CHIP 0
R1103	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1104	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1105	1-216-864-11 s	METEL, CHIP 0
R1106	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R1107	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1108	1-216-864-11 s	METEL, CHIP 0
R1109	1-216-864-11 s	METEL, CHIP 0
R1111	1-216-864-11 s	METEL, CHIP 0
R1112	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R1113	1-216-864-11 s	METEL, CHIP 0 [for NTSC]
R1118	1-216-864-11 s	METEL, CHIP 0
R1119	1-216-864-11 s	METEL, CHIP 0
R1120	1-216-864-11 s	METEL, CHIP 0
R1121	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R1122	1-216-864-11 s	METEL, CHIP 0
R1123	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R1124	1-216-864-11 s	METEL, CHIP 0
R1125	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R1126	1-218-864-11 s	METAL, CHIP 5.1K 0.5% 1/16W
R1127	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R1128	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1129	1-218-864-11 s	METAL, CHIP 5.1K 0.5% 1/16W
R1130	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R1131	1-216-864-11 s	METEL, CHIP 0
R1133	1-216-864-11 s	METEL, CHIP 0
R1134	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R1135	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R1136	1-216-864-11 s	METEL, CHIP 0
R1137	1-216-864-11 s	METEL, CHIP 0
R1140	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1141	1-216-864-11 s	METEL, CHIP 0
R1145	1-216-864-11 s	METEL, CHIP 0
R1146	1-216-864-11 s	METEL, CHIP 0
R1147	1-218-867-11 s	METAL, CHIP 6.8K 0.5% 1/16W
R1148	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1149	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1150	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1151	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1152	1-218-716-11 s	METAL, CHIP 10K 0.5% 1/16W
R1153	1-218-716-11 s	METAL, CHIP 10K 0.5% 1/16W
R1154-1158	1-218-668-11 s	METAL, CHIP 100 0.5% 1/16W
R1159	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R1160	1-218-668-11 s	METAL, CHIP 100 0.5% 1/16W
R1161	1-218-668-11 s	METAL, CHIP 100 0.5% 1/16W
R1162	1-218-837-11 s	METAL, CHIP 390 0.5% 1/16W
R1163	1-218-837-11 s	METAL, CHIP 390 0.5% 1/16W
R1164	1-218-837-11 s	METAL, CHIP 390 0.5% 1/16W
R1165	1-218-837-11 s	METAL, CHIP 390 0.5% 1/16W
R1168	1-218-838-11 s	METAL, CHIP 430 0.5% 1/16W
R1169	1-218-838-11 s	METAL, CHIP 430 0.5% 1/16W
R1170	1-218-838-11 s	METAL, CHIP 430 0.5% 1/16W
R1171	1-218-838-11 s	METAL, CHIP 430 0.5% 1/16W
R1172	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R1173	1-216-832-11 s	METAL, CHIP 8.2K 5% 1/16W

## (DPR-62/62P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R1174	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R1175	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R1176	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R1177	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R1178	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R1179	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R1180	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1181	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1182	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1183	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1184	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R1185	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R1186	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R1187	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R1188	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1189	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1190	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R1191	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R1192	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R1193	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R1194-1199		
	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R1200	1-218-705-11	s METAL, CHIP 3.6K 0.5% 1/16W
R1201	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1202	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1203	1-218-866-11	s METAL, CHIP 6.2K 0.5% 1/16W
R1204	1-218-866-11	s METAL, CHIP 6.2K 0.5% 1/16W
R1205	1-218-714-11	s METAL, CHIP 8.2K 0.5% 1/16W
R1206	1-218-866-11	s METAL, CHIP 6.2K 0.5% 1/16W
R1207	1-218-866-11	s METAL, CHIP 6.2K 0.5% 1/16W
R1208	1-218-714-11	s METAL, CHIP 8.2K 0.5% 1/16W
R1209-1216		
	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1217	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1218	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1219	1-216-864-11	s METAL, CHIP 0
R1220	1-216-864-11	s METAL, CHIP 0
R1221	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R1222	1-216-864-11	s METAL, CHIP 0
R1223	1-216-864-11	s METAL, CHIP 0
R1224	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R1225	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R1230	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1270-1277		
	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R1300	1-216-864-11	s METAL, CHIP 0 [for NTSC]
R1301	1-216-864-11	s METAL, CHIP 0 [for PAL]
R1302	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1303	1-216-864-11	s METAL, CHIP 0
R1304	1-216-864-11	s METAL, CHIP 0 [for PAL]
R1305	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1306	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1307	1-218-845-11	s METAL, CHIP 820 0.5% 1/16W
R1308	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W [for PAL]
R1309	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1310	1-216-864-11	s METAL, CHIP 0
R1311	1-216-857-11	s METAL, CHIP 1M 5% 1/16W [for PAL]
R1312	1-216-840-11	s METAL, CHIP 39K 5% 1/16W [for PAL]

## (DPR-62/62P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R1313	1-216-834-11	s METAL, CHIP 12K 5% 1/16W [for PAL]
R1314	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1315	1-216-857-11	s METAL, CHIP 1M 5% 1/16W [for PAL]
R1316	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W
R1317	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1318	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for NTSC]
R1319	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1320	1-216-845-11	s METAL, CHIP 100K 5% 1/16W [for NTSC]
R1321	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1322	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1323	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R1324	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1325	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1326	1-216-833-11	s METAL, CHIP 10K 5% 1/16W [for PAL]
R1327	1-216-833-11	s METAL, CHIP 10K 5% 1/16W [for PAL]
R1329	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R1330	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R1331	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W [for PAL]
R1332	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R1333	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R1334	1-216-857-11	s METAL, CHIP 1M 5% 1/16W [for PAL]
R1335	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R1336	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1337	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R1338	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1339	1-216-864-11	s METAL, CHIP 0 [for PAL]
R1340	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1341	1-216-864-11	s METAL, CHIP 0 [for NTSC]
R1342	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R1343	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R1344	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1345	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1346	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W
R1347	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1348	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R1349	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R1350	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R1351	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1352	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1353	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R1354	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1355	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1356	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R1357	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1358	1-216-833-11	s METAL, CHIP 10K 5% 1/16W [for PAL]
R1359	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W [for PAL]
R1360	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1361	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1362	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1363	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1364	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1365	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R1366	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R1368	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1369	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1370	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1371	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1372	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R1373	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1374	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R1376	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1378	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R1379	1-216-845-11	s METAL, CHIP 100K 5% 1/16W [for NTSC]
	1-216-837-11	s METAL, CHIP 22K 5% 1/16W [for PAL]
R1380	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R1382	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1384	1-216-864-11	s METEL, CHIP 0
R1385	1-216-845-11	s METAL, CHIP 100K 5% 1/16W [for NTSC]
	1-216-837-11	s METAL, CHIP 22K 5% 1/16W [for PAL]
R1386	1-216-844-11	s METAL, CHIP 82K 5% 1/16W [for PAL]
R1387	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W [for NTSC]
	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W [for PAL]
R1388	1-218-699-11	s METAL, CHIP 2K 0.5% 1/16W [for NTSC]
	1-216-821-11	s METAL, CHIP 1K 5% 1/16W [for PAL]
R1389	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1390	1-216-839-11	s METAL, CHIP 33K 5% 1/16W [for NTSC]
	1-216-837-11	s METAL, CHIP 22K 5% 1/16W [for PAL]
R1391	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1392	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1393	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R1394	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1395	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1396	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1397	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R1398	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1399	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R1400	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1401	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1402	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R1403	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R1404	1-218-704-11	s METAL, CHIP 3.3K 0.5% 1/16W
R1405	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R1406	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R1407	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1408	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R1409	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1410	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1411	1-218-739-11	s METAL, CHIP 91K 0.5% 1/16W [for NTSC]
R1412	1-216-864-11	s METEL, CHIP 0 [for NTSC]
R1413	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1414	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W [for NTSC]
	1-218-730-11	s METAL, CHIP 39K 0.5% 1/16W [for PAL]
R1415	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W [for PAL]
R1416	1-216-864-11	s METEL, CHIP 0 [for PAL]
R1417	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W [for PAL]
R1418	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W [for PAL]
R1419	1-216-817-11	s METAL, CHIP 470 5% 1/16W [for PAL]
R1420	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1421	1-216-845-11	s METAL, CHIP 100K 5% 1/16W

## (DPR-62/62P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R1422	1-216-817-11	s METAL, CHIP 470 5% 1/16W [for PAL]
R1423	1-216-833-11	s METAL, CHIP 10K 5% 1/16W [for PAL]
R1424	1-216-838-11	s METAL, CHIP 27K 5% 1/16W [for PAL]
R1425	1-216-864-11	s METEL, CHIP 0 [for PAL]
R1426	1-216-864-11	s METEL, CHIP 0 [for NTSC]
R1427	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R1428	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1430	1-218-296-11	s METAL, CHIP 75K 5% 1/16W [for NTSC]
	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W [for PAL]
R1431	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R1432	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1433	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1434	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1435	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1436	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1437	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1438	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R1439	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R1440	1-218-873-11	s METAL, CHIP 12K 0.5% 1/16W [for NTSC]
	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W [for PAL]
R1441	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R1442	1-218-874-11	s METAL, CHIP 13K 0.5% 1/16W
R1443	1-218-867-11	s METAL, CHIP 6.8K 0.5% 1/16W
R1444	1-218-730-11	s METAL, CHIP 39K 0.5% 1/16W
R1445	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R1446	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1447	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1448	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1449	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R1450	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1451	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R1452	1-216-864-11	s METEL, CHIP 0
R1454	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R1455	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R1456	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1457	1-216-864-11	s METEL, CHIP 0
R1458	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R1459	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R1462	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1463	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1464	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1465	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1467-1478	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1481-1489	1-216-864-11	s METEL, CHIP 0
R1490	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R1491	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1492	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1493	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1494	1-216-864-11	s METEL, CHIP 0
R1495	1-216-864-11	s METEL, CHIP 0
R1496	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R1497	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1498	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1499	1-216-864-11	s METEL, CHIP 0



## (DPR-62/62P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R1500	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1501	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1502	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1503	1-216-864-11	s METEL, CHIP 0
R1506	1-216-864-11	s METEL, CHIP 0
R1507-1511		
	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1513	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1514	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1600	1-216-864-11	s METEL, CHIP 0
R1601	1-216-864-11	s METEL, CHIP 0
R1602	1-216-864-11	s METEL, CHIP 0
R1603	1-216-864-11	s METEL, CHIP 0
R1605	1-216-864-11	s METEL, CHIP 0
R1608	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1615	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1616	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1617	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1620	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1623	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1624	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1625	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1628-1633		
	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R1634	1-216-864-11	s METEL, CHIP 0
R1635	1-216-864-11	s METEL, CHIP 0
R1636	1-216-864-11	s METEL, CHIP 0
R1637	1-216-864-11	s METEL, CHIP 0
R2500	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R2502	1-216-864-11	s METEL, CHIP 0
R2503	1-216-864-11	s METEL, CHIP 0
R2504	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R2505	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R2506	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R2507	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R2508	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R2509	1-216-864-11	s METEL, CHIP 0
R2510	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
RB1-6	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB7-13	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB14	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB100	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB101	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB103-107		
	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB108-121		
	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB122	1-239-711-11	s NETWORK RESISTOR (CHIP) 0 [for PAL]
RB123	1-239-711-11	s NETWORK RESISTOR (CHIP) 0 [for PAL]
RB124	1-239-711-11	s NETWORK RESISTOR (CHIP) 0 [for PAL]
RB125	1-239-711-11	s NETWORK RESISTOR (CHIP) 0 [for PAL]
RB126-132		
	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB200-210		
	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB300	1-239-711-11	s NETWORK RESISTOR (CHIP) 0

## (DPR-62/62P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RB301	1-236-908-11	s NETWORK RESISTOR (CHIP) 10K
RB302	1-236-908-11	s NETWORK RESISTOR (CHIP) 10K
RB500	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB501	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB505-510		
	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB600	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB700	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB701	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB702	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB703	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB704	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB705	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB706	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB707	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB800	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB802	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB804	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB805	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB806	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB807	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB808	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB809	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB810	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB811	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB813-817		
	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB818	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB819	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB820	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB821	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB822	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB900-914		
	1-239-428-11	s NETWORK RESISTOR (CHIP) 3.3K
RB1000	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB1001	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB1003	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB1004	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB1100	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB1101	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB1102	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB1103	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB1104	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB1105	1-239-711-11	s NETWORK RESISTOR (CHIP) 0
RB1200-1207		
	1-239-428-11	s NETWORK RESISTOR (CHIP) 3.3K
RB2500	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB2501-2518		
	1-239-409-11	s NETWORK RESISTOR (CHIP) 47
RB2519	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB2520	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K

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DUS-339 BOARD  
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Ref. No.

or Q'ty Part No. SP Description

1pc A-8272-757-A o MOUNTED CIRCUIT BOARD, DUS-339  
CN432 1-566-759-11 o CONNECTOR 4P, MALE  
Q1 8-729-209-07 s TRANSISTOR 2SC4213-B  
Q2 8-729-209-07 s TRANSISTOR 2SC4213-B  
Q3 8-729-209-07 s TRANSISTOR 2SC4213-B  
Q4 8-729-209-07 s TRANSISTOR 2SC4213-B  
R1 1-216-805-11 s METAL, CHIP 47 5% 1/16W  
R2 1-216-805-11 s METAL, CHIP 47 5% 1/16W  
R3 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W  
R4 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W  
R5 1-216-805-11 s METAL, CHIP 47 5% 1/16W  
R6 1-216-805-11 s METAL, CHIP 47 5% 1/16W  
R7 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W  
R8 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W

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EQ-54 BOARD  
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Ref. No.

or Q'ty Part No. SP Description

1pc A-8276-922-A o MOUNTED CIRCUIT BOARD, EQ-54  
1pc 3-691-503-02 o CASE, SHIELD LA  
C100 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V  
C101 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C102 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C104 1-162-915-11 s CERAMIC, CHIP 10PF 50V  
C105 1-135-215-21 s TANTALUM, CHIP 6.8uF 10% 16V  
C106 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C108 1-162-915-11 s CERAMIC, CHIP 10PF 50V  
C109 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C110 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C111 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C112 1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V  
C113 1-162-967-11 s CERAMIC, CHIP 0.0033uF 10% 50V  
C114 1-162-910-11 s CERAMIC, CHIP 5PF 50V  
C115 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C116 1-135-215-21 s TANTALUM, CHIP 6.8uF 10% 16V  
C117 1-164-505-11 s CERAMIC 2.2uF 16V  
C118 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C119 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C120 1-164-505-11 s CERAMIC 2.2uF 16V  
C121-126 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C127 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V  
C128 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C129 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C131 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C132 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C133 1-164-505-11 s CERAMIC 2.2uF 16V  
C134 1-135-215-21 s TANTALUM, CHIP 6.8uF 10% 16V  
C135 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C136 1-135-215-21 s TANTALUM, CHIP 6.8uF 10% 16V  
C138 1-135-215-21 s TANTALUM, CHIP 6.8uF 10% 16V  
C139 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C140 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C141 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C142 1-162-924-11 s CERAMIC 56PF 5% 50V  
C143 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C144 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C145 1-135-215-21 s TANTALUM, CHIP 6.8uF 10% 16V  
C146 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C147 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C148 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C149 1-135-215-21 s TANTALUM, CHIP 6.8uF 10% 16V  
C150 1-135-145-11 s TANTALUM, CHIP 0.47uF 10% 35V  
C151-156 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C157 1-162-969-11 s CERAMIC, CHIP 0.0068uF 10% 25V  
C158 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V  
C200 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V  
C201 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C202 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C204 1-162-915-11 s CERAMIC, CHIP 10PF 50V  
C205 1-135-215-21 s TANTALUM, CHIP 6.8uF 10% 16V  
C206 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C208 1-162-915-11 s CERAMIC, CHIP 10PF 50V  
C209 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C210 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C211 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V  
C212 1-162-922-11 s CERAMIC, CHIP 39PF 5% 50V

## (EQ-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C213	1-162-967-11	s CERAMIC, CHIP 0.0033uF 10% 50V
C214	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C215	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C216	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C217	1-164-505-11	s CERAMIC 2.2uF 16V
C218	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C219	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C220	1-164-505-11	s CERAMIC 2.2uF 16V
C221-226	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C227	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C228	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C229	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C231	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C232	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C233	1-164-505-11	s CERAMIC 2.2uF 16V
C234	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C235	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C236	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C238	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C239	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C240	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C241	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C242	1-162-924-11	s CERAMIC 56PF 5% 50V
C243	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C244	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C245	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C246	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C247	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C248	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C249	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C250	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C251	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C254	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C255	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C257	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C258	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V
C300	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C301	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C302	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C304	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C305	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C306	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C308	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C309	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C310	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C311	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C312	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V
C313	1-162-967-11	s CERAMIC, CHIP 0.0033uF 10% 50V
C314	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C315	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C316	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C317	1-164-505-11	s CERAMIC 2.2uF 16V
C318	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C319	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C320	1-164-505-11	s CERAMIC 2.2uF 16V
C321-326	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C327	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C328	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C329	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

## (EQ-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C331	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C332	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C333	1-164-505-11	s CERAMIC 2.2uF 16V
C334	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C335	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C336	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C338	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C339	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C340	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C341	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C342	1-162-924-11	s CERAMIC 56PF 5% 50V
C343	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C344	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C345	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C346	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C347	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C348	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C349	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C350	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C351-356	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C357	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C358	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V
C400	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C401	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C402	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C404	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C405	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C406	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C408	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C409	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C410	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C411	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C412	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V
C413	1-162-967-11	s CERAMIC, CHIP 0.0033uF 10% 50V
C414	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C415	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C416	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C417	1-164-505-11	s CERAMIC 2.2uF 16V
C418	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C419	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C420	1-164-505-11	s CERAMIC 2.2uF 16V
C421-426	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C427	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C428	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C429	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C431	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C432	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C433	1-164-505-11	s CERAMIC 2.2uF 16V
C434	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C435	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C436	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C438	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V
C439	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C440	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C441	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C442	1-162-924-11	s CERAMIC 56PF 5% 50V
C443	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C444	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C445	1-135-215-21	s TANTALUM, CHIP 6.8uF 10% 16V

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Ref. No. or Q'ty	Part No.	SP Description
C446	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C447	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C448	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C449	1-135-215-21 s	TANTALUM, CHIP 6.8uF 10% 16V
C450	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C451	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C452	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C453	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C457	1-162-969-11 s	CERAMIC, CHIP 0.0068uF 10% 25V
C458	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V
C500	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C501	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C504	1-135-215-21 s	TANTALUM, CHIP 6.8uF 10% 16V
C520	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C521	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C530	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C531	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C600	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C601	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C604	1-135-215-21 s	TANTALUM, CHIP 6.8uF 10% 16V
C620	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C621	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C630	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C631	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C700	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C701	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C702	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C710-715	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C800	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C801	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C802	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C803	1-135-201-11 s	TANTALUM, CHIP 10uF 20% 6.3V
C804	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C805	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C806	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C807	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C808	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C809	1-135-070-00 s	TANTALUM, CHIP 0.1uF 10% 35V
C810	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C811	1-107-826-11 s	CERAMIC, CHIP 0.1uF 10% 16V
C812	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C813	1-104-546-11 s	FILM, CHIP 0.0039uF 5% 16V
C814	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C815	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C816	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C817	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C818	1-165-176-11 s	CERAMIC 0.047uF 10% 16V
C819	1-163-275-11 s	CERAMIC, CHIP 0.001uF 5% 50V
C820	1-163-275-11 s	CERAMIC, CHIP 0.001uF 5% 50V
C821	1-135-201-11 s	TANTALUM, CHIP 10uF 20% 6.3V
C822	1-135-076-21 s	TANTALUM, CHIP 1uF 10% 35V
C823	1-162-959-11 s	CERAMIC, CHIP 330PF 5% 50V
C824	1-163-139-00 s	CERAMIC, CHIP 820PF 5% 50V
C825	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C826	1-109-899-11 s	CERAMIC, CHIP 330uF 5% 200V
C827	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C828	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C829	1-135-164-21 s	TANTALUM, CHIP 22uF 10% 16V
C830	1-135-201-11 s	TANTALUM, CHIP 10uF 20% 6.3V

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Ref. No. or Q'ty	Part No.	SP Description
C831	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C832	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C833	1-109-900-11 s	CERAMIC, CHIP 470PF 5% 200V
C834	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C835	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C836	1-135-076-21 s	TANTALUM, CHIP 1uF 10% 35V
C837	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C838	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C839	1-164-217-11 s	CERAMIC, CHIP 150PF 5% 50V
C840	1-104-551-11 s	FILM, CHIP 0.01uF 5% 16V
C841	1-135-202-21 s	TANTALUM, CHIP 22uF 10% 4V
C842	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C845	1-107-826-11 s	CERAMIC, CHIP 0.1uF 10% 16V
C846	1-135-076-21 s	TANTALUM, CHIP 1uF 10% 35V
C847	1-162-959-11 s	CERAMIC, CHIP 330PF 5% 50V
C848	1-135-076-21 s	TANTALUM, CHIP 1uF 10% 35V
C900	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C901	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C902	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C905	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C906	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C907	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C908	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C909	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C910	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
CN301	1-564-005-11 o	CONNECTOR 6P, MALE
CN302	1-566-759-11 o	CONNECTOR 4P, MALE
CN303	1-506-471-11 s	CONNECTOR 6P, MALE
CN304	1-506-468-11 s	CONNECTOR 3P, MALE
CN906	1-774-269-11 s	CONNECTOR, BOARD TO BOARD 30P
CN907	1-774-269-11 s	CONNECTOR, BOARD TO BOARD 30P
CT800	1-426-884-11 s	TRANSFORMER, BIAS OSCILLATION
CV100	1-141-327-11 s	CAP, VAR, TRIMMER, CHIP 10PF
CV200	1-141-327-11 s	CAP, VAR, TRIMMER, CHIP 10PF
CV300	1-141-327-11 s	CAP, VAR, TRIMMER, CHIP 10PF
CV400	1-141-327-11 s	CAP, VAR, TRIMMER, CHIP 10PF
CV800	1-141-365-11 s	CAP, TRIMMER 100PF
D100	8-719-029-64 s	DIODE RD4.7UH-T1
D101	8-719-800-76 s	DIODE 1SS226
D102	8-719-029-61 s	DIODE RD3.6UH-T1
D200	8-719-029-64 s	DIODE RD4.7UH-T1
D201	8-719-800-76 s	DIODE 1SS226
D202	8-719-029-61 s	DIODE RD3.6UH-T1
D300	8-719-029-64 s	DIODE RD4.7UH-T1
D301	8-719-800-76 s	DIODE 1SS226
D302	8-719-029-61 s	DIODE RD3.6UH-T1
D400	8-719-029-64 s	DIODE RD4.7UH-T1
D401	8-719-800-76 s	DIODE 1SS226
D402	8-719-029-61 s	DIODE RD3.6UH-T1
D530	8-719-029-62 s	DIODE RD3.9UH-T1
D630	8-719-029-62 s	DIODE RD3.9UH-T1
D800	8-719-941-86 s	DIODE DAN202U
D801	8-719-941-86 s	DIODE DAN202U
IC100	8-759-260-55 s	IC TLC272CPW-E05
IC101	8-752-073-98 s	IC CXA3034Q
IC102	8-759-260-55 s	IC TLC272CPW-E05
IC103	8-752-066-44 s	IC CXA1805Q

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Ref. No. or Q'ty	Part No.	SP Description
IC104	8-759-079-49	s IC TC74VHC04FS(EL)
IC105	8-752-371-18	s IC CXD2302Q
IC106	8-759-079-97	s IC TC74VHC374FS(EL)
IC200	8-759-260-55	s IC TLC272CPW-E05
IC201	8-752-073-98	s IC CXA3034Q
IC203	8-752-066-44	s IC CXA1805Q
IC205	8-752-371-18	s IC CXD2302Q
IC206	8-759-079-97	s IC TC74VHC374FS(EL)
IC300	8-759-260-55	s IC TLC272CPW-E05
IC301	8-752-073-98	s IC CXA3034Q
IC302	8-759-260-55	s IC TLC272CPW-E05
IC303	8-752-066-44	s IC CXA1805Q
IC304	8-759-079-49	s IC TC74VHC04FS(EL)
IC305	8-752-371-18	s IC CXD2302Q
IC306	8-759-079-97	s IC TC74VHC374FS(EL)
IC400	8-759-260-55	s IC TLC272CPW-E05
IC401	8-752-073-98	s IC CXA3034Q
IC403	8-752-066-44	s IC CXA1805Q
IC405	8-752-371-18	s IC CXD2302Q
IC406	8-759-079-97	s IC TC74VHC374FS(EL)
IC500	8-759-173-13	s IC CXD8815Q
IC501	8-759-635-27	s IC M62352GP
IC600	8-759-173-13	s IC CXD8815Q
IC601	8-759-635-27	s IC M62352GP
IC700	8-759-269-09	s IC SN74HCT04ANS
IC701	8-759-925-85	s IC SN74HC32ANS
IC702	8-759-926-67	s IC SN74HC374ANS
IC705	8-759-926-29	s IC SN74HC175ANS
IC706	8-759-925-76	s IC SN74HC08ANS
IC708	8-759-008-50	s IC MC74HC112F
IC800	8-759-079-49	s IC TC74VHC04FS(EL)
IC801	8-759-710-28	s IC NJM4565M-A
IC802	8-759-079-46	s IC TC74VHC00FS(EL)
IC803	8-759-710-28	s IC NJM4565M-A
IC804	8-759-710-28	s IC NJM4565M-A
IC805	8-759-066-61	s IC TC4053BFS
IC806	8-759-710-28	s IC NJM4565M-A
L100	1-410-658-31	s INDUCTOR, CHIP 220UH
L101	1-410-991-11	s INDUCTOR CHIP 0.68uH
L102	1-410-987-11	s INDUCTOR CHIP 0.33uH
L200	1-410-658-31	s INDUCTOR, CHIP 220UH
L201	1-410-991-11	s INDUCTOR CHIP 0.68uH
L202	1-410-987-11	s INDUCTOR CHIP 0.33uH
L300	1-410-658-31	s INDUCTOR, CHIP 220UH
L301	1-410-991-11	s INDUCTOR CHIP 0.68uH
L302	1-410-987-11	s INDUCTOR CHIP 0.33uH
L400	1-410-658-31	s INDUCTOR, CHIP 220UH
L401	1-410-991-11	s INDUCTOR CHIP 0.68uH
L402	1-410-987-11	s INDUCTOR CHIP 0.33uH
L800	1-409-579-11	s COIL, CHOKE 8.2uH
L801	1-409-579-11	s COIL, CHOKE 8.2uH
L802	1-408-785-21	s INDUCTOR, CHIP 47uH
L900	1-409-579-11	s COIL, CHOKE 8.2uH
L901	1-409-579-11	s COIL, CHOKE 8.2uH
L902	1-409-579-11	s COIL, CHOKE 8.2uH
LV800	1-410-853-21	s COIL, VAR 4.5uH
Q100	8-729-029-14	s TRANSISTOR DTC144EUA-T106

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Ref. No. or Q'ty	Part No.	SP Description
Q101	8-729-140-47	s TRANSISTOR 2SC3735-B34
Q110	8-729-027-54	s TRANSISTOR DTC124XKA-T146
Q200	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q201	8-729-140-47	s TRANSISTOR 2SC3735-B34
Q210	8-729-027-54	s TRANSISTOR DTC124XKA-T146
Q300	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q301	8-729-140-47	s TRANSISTOR 2SC3735-B34
Q310	8-729-027-54	s TRANSISTOR DTC124XKA-T146
Q400	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q401	8-729-140-47	s TRANSISTOR 2SC3735-B34
Q410	8-729-027-54	s TRANSISTOR DTC124XKA-T146
Q500	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q501	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q502	8-729-824-34	s TRANSISTOR 2SJ187
Q503	8-729-145-14	s TRANSISTOR 2SK1483
Q504	8-729-905-09	s TRANSISTOR DTA144WUT106
Q505	8-729-905-15	s TRANSISTOR DTC144WUT106
Q506	8-729-824-34	s TRANSISTOR 2SJ187
Q507	8-729-145-14	s TRANSISTOR 2SK1483
Q508	8-729-824-34	s TRANSISTOR 2SJ187
Q600	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q601	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q602	8-729-824-34	s TRANSISTOR 2SJ187
Q603	8-729-145-14	s TRANSISTOR 2SK1483
Q604	8-729-905-09	s TRANSISTOR DTA144WUT106
Q605	8-729-905-15	s TRANSISTOR DTC144WUT106
Q606	8-729-824-34	s TRANSISTOR 2SJ187
Q607	8-729-145-14	s TRANSISTOR 2SK1483
Q608	8-729-824-34	s TRANSISTOR 2SJ187
Q700	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q701	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q702	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q703	8-729-120-53	s TRANSISTOR 2SJ132-Z
Q704	8-729-118-70	s TRANSISTOR 2SK739-Z
Q800	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q801	8-729-209-07	s TRANSISTOR 2SC4213-B
Q802	8-729-105-08	s TRANSISTOR 2SA1330
Q803	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q804	8-729-824-34	s TRANSISTOR 2SJ187
Q805	8-729-105-36	s TRANSISTOR 2SC3360-N15
Q806	8-729-105-36	s TRANSISTOR 2SC3360-N15
Q807	8-729-209-07	s TRANSISTOR 2SC4213-B
Q808	8-729-209-07	s TRANSISTOR 2SC4213-B
Q809	8-729-105-36	s TRANSISTOR 2SC3360-N15
Q810	8-729-105-36	s TRANSISTOR 2SC3360-N15
Q811	8-729-209-07	s TRANSISTOR 2SC4213-B
Q812	8-729-209-07	s TRANSISTOR 2SC4213-B
R100	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R101	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R102	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R103	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R104	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R106	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R109	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R110	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R111	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R112	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R113	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R114	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R115	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R116	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R117	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R118	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R119	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R121	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R122	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R123	1-218-856-11	s METAL, CHIP 2.4K 0.5% 1/16W
R125	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R126	1-218-897-11	s METAL, CHIP 120K 0.5% 1/16W
R128	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R129	1-218-864-11	s METAL, CHIP 5.1K 0.5% 1/16W
R130	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R131	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R132	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R133	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R134	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W
R135	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R136	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R137	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R138	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R139	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R140	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R141	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R142	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R143	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R144	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R145	1-218-694-11	s METAL, CHIP 1.2K 0.5% 1/16W
R146	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R147	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R148	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R149	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R150	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R151	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R152	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R153	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R155	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R157	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R158	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R160	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R161	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R163	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R164	1-218-874-11	s METAL, CHIP 13K 0.5% 1/16W
R165	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R166	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R167	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R169	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R200	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R201	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R202	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R203	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R204	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R206	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R209	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R210	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R211	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R212	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R213	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W

## (EQ-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R214	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R215	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R216	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R217	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R218	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R219	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R221	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R222	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R223	1-218-856-11	s METAL, CHIP 2.4K 0.5% 1/16W
R225	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R226	1-218-897-11	s METAL, CHIP 120K 0.5% 1/16W
R228	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R229	1-218-864-11	s METAL, CHIP 5.1K 0.5% 1/16W
R230	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R231	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R232	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R233	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R234	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W
R235	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R236	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R237	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R238	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R239	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R240	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R241	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R242	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R243	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R244	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R245	1-218-694-11	s METAL, CHIP 1.2K 0.5% 1/16W
R246	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R247	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R248	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R249	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R250	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R251	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R252	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R253	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R255	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R257	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R258	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R260	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R261	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R263	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R264	1-218-874-11	s METAL, CHIP 13K 0.5% 1/16W
R265	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R266	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R267	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R269	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R300	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R301	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R302	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R303	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R304	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R306	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R309	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R310	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R311	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R312	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R313	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W

## (EQ-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R314	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R315	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R316	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R317	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R318	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R319	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R321	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R322	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R323	1-218-856-11	s METAL, CHIP 2.4K 0.5% 1/16W
R325	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R326	1-218-897-11	s METAL, CHIP 120K 0.5% 1/16W
R328	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R329	1-218-864-11	s METAL, CHIP 5.1K 0.5% 1/16W
R330	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R331	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R332	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R333	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R334	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W
R335	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R336	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R337	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R338	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R339	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R340	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R341	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R342	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R343	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R344	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R345	1-218-694-11	s METAL, CHIP 1.2K 0.5% 1/16W
R346	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R347	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R348	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R349	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R350	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R351	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R352	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R353	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R355	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R357	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R358	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R360	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R361	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R363	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R364	1-218-874-11	s METAL, CHIP 13K 0.5% 1/16W
R365	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R366	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R367	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R369	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R400	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R401	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R402	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R403	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R404	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R406	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R409	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R410	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R411	1-218-684-11	s METAL, CHIP 470 0.5% 1/16W
R412	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R413	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W

## (EQ-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R414	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R415	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R416	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R417	1-218-844-11	s METAL, CHIP 750 0.5% 1/16W
R418	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R419	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R421	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R422	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R423	1-218-856-11	s METAL, CHIP 2.4K 0.5% 1/16W
R425	1-218-710-11	s METAL, CHIP 5.6K 0.5% 1/16W
R426	1-218-897-11	s METAL, CHIP 120K 0.5% 1/16W
R428	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R429	1-218-864-11	s METAL, CHIP 5.1K 0.5% 1/16W
R430	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R431	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R432	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R433	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R434	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W
R435	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R436	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R437	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R438	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R439	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R440	1-218-851-11	s METAL, CHIP 1.5K 0.5% 1/16W
R441	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R442	1-218-660-11	s METAL, CHIP 47 0.5% 1/16W
R443	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R444	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R445	1-218-694-11	s METAL, CHIP 1.2K 0.5% 1/16W
R446	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R447	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R448	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R449	1-218-840-11	s METAL, CHIP 510 0.5% 1/16W
R450	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R451	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R452	1-218-836-11	s METAL, CHIP 360 0.5% 1/16W
R453	1-218-868-11	s METAL, CHIP 7.5K 0.5% 1/16W
R455	1-211-990-11	s METAL, CHIP 75 0.5% 1/16W
R457	1-218-838-11	s METAL, CHIP 430 0.5% 1/16W
R458	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R460	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R461	1-218-752-11	s METAL, CHIP 330K 0.5% 1/16W
R463	1-211-977-11	s METAL, CHIP 22 0.5% 1/16W
R464	1-218-874-11	s METAL, CHIP 13K 0.5% 1/16W
R465	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R466	1-211-969-11	s METAL, CHIP 10 0.5% 1/16W
R467	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R469	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R500	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R501	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R502	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R503	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R504	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R505	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R506	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R507	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R508	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R509	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R510	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W

## (EQ-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R511	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R512	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R513	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R520	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R521	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R530	1-218-837-11	s METAL, CHIP 390 0.5% 1/16W
R531	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R532	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R533	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R534	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R535	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R536	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R537-542	1-218-695-11	s METAL, CHIP 1.3K 0.5% 1/16W
R543	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R544	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R545	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R546	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R547	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R548	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R549-554	1-218-695-11	s METAL, CHIP 1.3K 0.5% 1/16W
R600	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R601	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R602	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R603	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R604	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R605	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R606	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R607	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R608	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R609	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R610	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R611	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R612	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R613	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R620	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R621	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R630	1-218-837-11	s METAL, CHIP 390 0.5% 1/16W
R631	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R632	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R633	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R634	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R635	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R636	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R637-642	1-218-695-11	s METAL, CHIP 1.3K 0.5% 1/16W
R643	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R644	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R645	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R646	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R647	1-218-706-11	s METAL, CHIP 3.9K 0.5% 1/16W
R648	1-218-870-11	s METAL, CHIP 9.1K 0.5% 1/16W
R649-654	1-218-695-11	s METAL, CHIP 1.3K 0.5% 1/16W
R700	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R701	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R702-707	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R708	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R709	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R710	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R711	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R712	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W

## (EQ-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R713	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R800	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R801	1-216-864-11	s METAL, CHIP 0
R802	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R803	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R804	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R805	1-218-748-11	s METAL, CHIP 220K 0.5% 1/16W
R806	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R807	1-218-748-11	s METAL, CHIP 220K 0.5% 1/16W
R808	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R809	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R810	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R811	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R812	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R813	1-218-883-11	s METAL, CHIP 33K 0.5% 1/16W
R814	1-218-748-11	s METAL, CHIP 220K 0.5% 1/16W
R815	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R816	1-218-722-11	s METAL, CHIP 18K 0.5% 1/16W
R817	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R818	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R819	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R820	1-218-748-11	s METAL, CHIP 220K 0.5% 1/16W
R821	1-218-724-11	s METAL, CHIP 22K 0.5% 1/16W
R822	1-218-698-11	s METAL, CHIP 1.8K 0.5% 1/16W
R823	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R824	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R825	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R826	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R827	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R828	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R829	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R830	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R831	1-216-298-00	s METAL 2.2 5% 1/10W
R832	1-216-298-00	s METAL 2.2 5% 1/10W
R833	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R834	1-218-700-11	s METAL, CHIP 2.2K 0.5% 1/16W
R835	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R836	1-218-668-11	s METAL, CHIP 100 0.5% 1/16W
R837	1-218-714-11	s METAL, CHIP 8.2K 0.5% 1/16W
R838	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R839	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R840	1-218-750-11	s METAL, CHIP 270K 0.5% 1/16W
R841	1-218-676-11	s METAL, CHIP 220 0.5% 1/16W
R842	1-218-702-11	s METAL, CHIP 2.7K 0.5% 1/16W
R843	1-218-716-11	s METAL, CHIP 10K 0.5% 1/16W
R844	1-218-692-11	s METAL, CHIP 1K 0.5% 1/16W
R845	1-218-833-11	s METAL, CHIP 270 0.5% 1/16W
R846	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R847	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R848	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R849	1-218-732-11	s METAL, CHIP 47K 0.5% 1/16W
R850	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R852	1-218-708-11	s METAL, CHIP 4.7K 0.5% 1/16W
R853	1-216-864-11	s METAL, CHIP 0
RB100-104	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB200-204	1-239-412-11	s NETWORK RESISTOR (CHIP) 100



## (EQ-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RB300-304		
	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB400-404		
	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB530	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RV100	1-237-033-11	s RES, ADJ METAL 1K
RV101	1-237-032-11	s RES, ADJ METAL 500
RV103	1-237-039-11	s RES, ADJ METAL 100K
RV104	1-237-032-11	s RES, ADJ METAL 500
RV200	1-237-033-11	s RES, ADJ METAL 1K
RV201	1-237-032-11	s RES, ADJ METAL 500
RV203	1-237-039-11	s RES, ADJ METAL 100K
RV204	1-237-032-11	s RES, ADJ METAL 500
RV300	1-237-033-11	s RES, ADJ METAL 1K
RV301	1-237-032-11	s RES, ADJ METAL 500
RV303	1-237-039-11	s RES, ADJ METAL 100K
RV304	1-237-032-11	s RES, ADJ METAL 500
RV400	1-237-033-11	s RES, ADJ METAL 1K
RV401	1-237-032-11	s RES, ADJ METAL 500
RV403	1-237-039-11	s RES, ADJ METAL 100K
RV404	1-237-032-11	s RES, ADJ METAL 500
RV800	1-237-035-11	s RES, ADJ METAL 5K
RV801	1-237-038-11	s RES, ADJ METAL 50K
RV802	1-237-035-11	s RES, ADJ METAL 5K
RV803	1-237-035-11	s RES, ADJ METAL 5K
S700	1-570-598-11	s SWITCH, DIP 4-CKT

## FU-63 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-938-A	o MOUNTED CIRCUIT BOARD, FU-63
4pcs	1-533-189-11	s HOLDER, FUSE
1pc	3-169-383-01	o BRACKET, PANEL
1pc	7-621-771-06	s SCREW +B 2X5
2pcs	7-682-902-11	s SCREW +PWH 2.6X5
C1	1-164-182-11	s CERAMIC, CHIP 3300PF 10% 100V
C2	1-127-519-11	s ALUMN SOLID 100uF 20% 20V
C3	1-164-489-11	s CERAMIC, CHIP 0.22uF 10% 16V
C4	1-164-489-11	s CERAMIC, CHIP 0.22uF 10% 16V
C5	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C6	1-163-038-00	s CERAMIC 0.1uF 25V
CN441	1-535-894-11	o TAB, FASTON
CN442	1-535-894-11	o TAB, FASTON
CN443	1-506-469-11	s CONNECTOR 4P, MALE
CN444	1-506-469-11	s CONNECTOR 4P, MALE
CN445	1-566-758-11	o CONNECTOR 3P, MALE
CN446	1-566-759-11	o CONNECTOR 4P, MALE
D1	8-719-800-76	s DIODE 1SS226
D2	8-719-801-78	s DIODE 1SS184
D3	8-719-801-78	s DIODE 1SS184
D4	8-719-158-15	s DIODE RD5.6SB
F1	Δ 1-532-749-11	s FUSE, 8A 125V
F2	Δ 1-532-749-11	s FUSE, 8A 125V
IC1	8-759-927-99	s IC MB3761PF
Q1	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q2	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q3	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q4	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q5	8-729-033-42	s TRANSISTOR 2SK2206
Q6	8-729-033-42	s TRANSISTOR 2SK2206
Q7	8-729-033-42	s TRANSISTOR 2SK2206
Q8	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
R1	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R2	1-208-823-11	s METAL, CHIP 51K 0.5% 1/10W
R3	1-218-760-11	s METAL, CHIP 220K 0.5% 1/10W
R4	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R5	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R6	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R7	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R8	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R9	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R10	1-216-676-11	s METAL, CHIP 11K 0.5% 1/10W
R11	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R12	1-218-770-11	s METAL, CHIP 560K 0.5% 1/10W
R13	1-216-695-11	s METAL, CHIP 68K 0.5% 1/10W
R14	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R15	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R16	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R17	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R18	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R19	1-216-695-11	s METAL, CHIP 68K 0.5% 1/10W
R20	1-218-772-11	s METAL 680K 0.5% 1/10W
R21	1-216-695-11	s METAL, CHIP 68K 0.5% 1/10W
R22	1-216-695-11	s METAL, CHIP 68K 0.5% 1/10W
R23	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R24	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W

## (FU-63 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R25	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R26	1-216-673-11	s METAL, CHIP 8.2K 0.5% 1/10W
R27	1-208-854-11	s METAL, CHIP 1M 0.5% 1/10W
R28	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R29	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R30	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R31	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W

## KY-315/315P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-948-A	o MOUNTED CIRCUIT BOARD, KY-315 [for NTSC]
	A-8276-950-A	o MOUNTED CIRCUIT BOARD, KY-315P [for PAL]
1pc	3-169-546-02	o HOLDER, LCD
C1	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C2-9	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
CN461	1-566-766-11	o CONNECTOR 11P, MALE
CN462	1-566-765-11	o CONNECTOR 10P, MALE
CN463	1-566-765-11	o CONNECTOR 10P, MALE
D1-21	8-719-941-09	s DIODE DAP202U
D22	8-719-109-51	s DIODE RD2.0ES-B2
D23	8-719-941-23	s DIODE DA204U
D24	1-809-346-11	s LED, BACK LIGHT
D25	1-809-346-11	s LED, BACK LIGHT
D26	8-719-915-45	s LED SLP162B, RED
D27	8-719-915-45	s LED SLP162B, RED
D28	1-809-346-11	s LED, BACK LIGHT
D29	1-809-346-11	s LED, BACK LIGHT
D30	8-719-955-05	s DIODE BR5505S
D31	1-809-346-11	s LED, BACK LIGHT
D32	1-809-346-11	s LED, BACK LIGHT
D33	8-719-902-27	s LED EBR3402S, RED
D34	8-719-915-45	s LED SLP162B, RED
D35	8-719-915-45	s LED SLP162B, RED
D36	8-719-902-27	s LED EBR3402S, RED
D37	8-719-902-27	s LED EBR3402S, RED
D38	8-719-915-45	s LED SLP162B, RED
IC1	8-759-171-74	s IC MSM6660-01GS-V1K
IC2	8-759-932-10	s IC MB88306PF
IC3	8-759-932-10	s IC MB88306PF
IC4	8-759-926-25	s IC SN74HC165ANS
L1	1-408-789-21	s INDUCTOR, CHIP 100uH
ND1	1-809-345-11	s UNIT, LCD
Q2	8-729-023-22	s TRANSISTOR 2SD2114K
Q3	8-729-023-22	s TRANSISTOR 2SD2114K
R1	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R2	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R3	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R4	1-216-059-00	s METAL, CHIP 2.7K 5% 1/10W
R5	1-126-049-11	s METAL, CHIP 1K 5% 1/10W
R6	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R7	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R8	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R9	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R10	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R11	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R12	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R13	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R14	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R15	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R16	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R17	1-216-059-00	s METAL, CHIP 2.7K 5% 1/10W
R18	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R20	1-216-033-00	s METAL, CHIP 220 5% 1/10W

## (KY-315/315P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R21	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R22	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R23-30	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R31-35	1-216-036-00	s METAL, CHIP 300 5% 1/10W
R36	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R37	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R38	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R40-47	1-126-049-11	s METAL, CHIP 1K 5% 1/10W
S1-17	1-572-725-11	s SWITCH, PUSH
S18	1-553-977-00	s SWITCH, SLIDE
S19	1-553-977-00	s SWITCH, SLIDE
S20	1-570-724-11	s SWITCH, SLIDE
S21	1-570-724-11	s SWITCH, SLIDE
S22	1-553-977-00	s SWITCH, SLIDE
S23	1-570-337-11	s SWITCH, DIGITAL
S24	1-570-337-11	s SWITCH, DIGITAL
S25	1-553-977-00	s SWITCH, SLIDE
S26	1-553-977-00	s SWITCH, SLIDE [for NTSC]
S27	1-570-854-11	s SWITCH, SLIDE
S28	1-554-377-21	s SWITCH, SLIDE
S29	1-570-851-11	s SWITCH, SLIDE

## MB-601 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-909-A	o MOUNTED CIRCUIT BOARD, MB-601
C903	1-110-985-11	s ELECT 0.0012F 20% 6.3V
C904	1-110-988-11	s ELECT 0.0022F 20% 6.3V
CN901	1-774-263-11	s CONNECTOR, BOARD TO BOARD 20P
CN902-907	1-774-265-11	s CONNECTOR, BOARD TO BOARD 30P
CN908	1-774-263-11	s CONNECTOR, BOARD TO BOARD 20P
CN909	1-774-265-11	s CONNECTOR, BOARD TO BOARD 30P
CN910	1-774-265-11	s CONNECTOR, BOARD TO BOARD 30P
CN911	1-774-265-11	s CONNECTOR, BOARD TO BOARD 30P
CN912	1-566-568-11	o CONNECTOR 40P, FEMALE
CN913	1-580-538-11	o CONNECTOR, LY 18P, MALE
CN914	1-566-758-11	o CONNECTOR 3P, MALE
CN915	1-566-757-11	s CONNECTOR, PC BOARD 2P, MALE
CN921	1-565-884-11	o CONNECTOR 12P, MALE
CN923	1-566-759-11	o CONNECTOR 4P, MALE
CN930	1-566-758-11	o CONNECTOR 3P, MALE
CN931	1-535-894-11	o TAB, FASTON
CN932	1-535-894-11	o TAB, FASTON
CN941	1-566-763-11	o CONNECTOR 8P, MAEL
CN942	1-506-468-11	s CONNECTOR 3P, MALE
CN943	1-506-467-11	s CONNECTOR 2P, MALE
CN944	1-506-467-11	s CONNECTOR 2P, MALE
CN946	1-506-467-11	s CONNECTOR 2P, MALE
CN947	1-564-002-41	s CONNECTOR 3P, MALE
CN949	1-564-005-11	o CONNECTOR 6P, MALE
CN951	1-506-467-11	s CONNECTOR 2P, MALE
CN952	1-506-468-11	s CONNECTOR 3P, MALE
CN953	1-564-002-11	s CONNECTOR 3P, MALE
CN954	1-506-469-11	s CONNECTOR 4P, MALE
CN955	1-564-002-41	s CONNECTOR 3P, MALE
CN956	1-506-468-11	s CONNECTOR 3P, MALE
CN957	1-506-472-11	o CONNECTOR 7P, MALE
CN958	1-506-467-11	s CONNECTOR 2P, MALE
CN960	1-564-001-11	o CONNECTOR 2P, MALE
E1	3-657-235-00	o POINT, TEST
E2	3-657-235-00	o POINT, TEST
TP1-14	3-657-235-00	o POINT, TEST

PSW-31A BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8269-442-A s	POWER ASSY [for J]
	A-8269-463-A s	POWER ASSY [for US,SY]
3pcs	9-911-840-99 s	CUSHION, CRT
C1	1-127-520-11 s	ELECT 68uF 20% 20V
C2-9	1-163-037-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C10	1-163-038-00 s	CERAMIC 0.1uF 25V
C11	1-163-038-00 s	CERAMIC 0.1uF 25V
C12	1-163-038-00 s	CERAMIC 0.1uF 25V
C13	1-127-513-00 s	ALUMN SOLID 15uF 20% 25V
C14	1-127-513-00 s	ALUMN SOLID 15uF 20% 25V
C15	1-163-038-00 s	CERAMIC 0.1uF 25V
C16	1-163-038-00 s	CERAMIC 0.1uF 25V
C17	1-163-038-00 s	CERAMIC 0.1uF 25V
C18	1-127-519-11 s	ALUMN SOLID 100uF 20% 20V
C19	1-127-519-11 s	ALUMN SOLID 100uF 20% 20V
C20	1-127-531-11 s	ELECT 33uF 20% 20V
C21	1-127-519-11 s	ALUMN SOLID 100uF 20% 20V
C22	1-127-515-11 s	ALUMN SOLID 47uF 20% 10V
C23	1-127-532-11 s	ELECT 47uF 20% 20V
C24	1-127-515-11 s	ALUMN SOLID 47uF 20% 10V
C25	1-127-515-11 s	ALUMN SOLID 47uF 20% 10V
C26	1-127-515-11 s	ALUMN SOLID 47uF 20% 10V
C27	1-127-518-11 s	ALUMN SOLID 100uF 20% 16V
C28-33	1-111-011-11 s	ELECT 470uF 20% 10V
C34-39	1-163-038-00 s	CERAMIC 0.1uF 25V
C40	1-111-011-11 s	ELECT 470uF 20% 10V
C41	1-163-038-00 s	CERAMIC 0.1uF 25V
C42	1-163-038-00 s	CERAMIC 0.1uF 25V
CN601	1-506-469-11 s	CONNECTOR 4P, MALE
CN602	1-535-894-11 o	TAB, FASTON
CN603	1-566-566-11 o	CONNECTOR 40P, MALE
D1	8-719-981-38 s	DIODE ERC62M-004
D2-9	8-719-975-43 s	DIODE RB420D
D10	8-719-210-39 s	DIODE EC10QS-04
D11	8-719-210-39 s	DIODE EC10QS-04
F1	Δ 1-532-679-21 s	LINK
FB1-7	1-543-821-11 s	BEAD, AMORPHOUS
L1	1-406-929-11 s	COIL, CHOKO
L2	1-424-517-11 s	COIL, CHOKO 200UH
L3	1-424-517-11 s	COIL, CHOKO 200UH
L4	1-411-521-11 s	COIL, CHOKO 52uH
L5	1-424-517-11 s	COIL, CHOKO 200UH
L6	1-411-521-11 s	COIL, CHOKO 52uH
L7-13	1-421-459-21 s	COIL, CHOKO
Q1	8-729-029-14 s	TRANSISTOR DTC144EUA-T106
Q2	8-729-032-72 s	TRANSISTOR 2SJ332L
Q3	8-729-143-63 s	TRANSISTOR 2SJ132
Q4	8-729-031-13 s	TRANSISTOR SI-9430DY-T1
Q5	8-729-143-63 s	TRANSISTOR 2SJ132
Q6	8-729-031-13 s	TRANSISTOR SI-9430DY-T1
Q7	8-729-143-63 s	TRANSISTOR 2SJ132
Q8	8-729-031-13 s	TRANSISTOR SI-9430DY-T1
Q9	8-729-032-73 s	TRANSISTOR 2SK2084L
Q10	8-729-032-73 s	TRANSISTOR 2SK2084L
Q11	8-729-032-73 s	TRANSISTOR 2SK2084L

(PSW-31A BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q12	8-729-032-73 s	TRANSISTOR 2SK2084L
R1	1-216-089-00 s	METAL, CHIP 47k 5% 1/10W
R2	1-219-724-11 s	METAL 1 1% 1/4W
R3	1-219-724-11 s	METAL 1 1% 1/4W
R4	1-219-723-11 s	METAL 0.15 1% 1/4W
R5	1-219-724-11 s	METAL 1 1% 1/4W
R6	1-219-724-11 s	METAL 1 1% 1/4W
R7	1-219-723-11 s	METAL 0.15 1% 1/4W
R8	1-219-723-11 s	METAL 0.15 1% 1/4W
R9	1-219-724-11 s	METAL 1 1% 1/4W
R10	1-219-724-11 s	METAL 1 1% 1/4W
R11	1-219-723-11 s	METAL 0.15 1% 1/4W
R12	1-219-722-11 s	METAL 0.1 1% 1/4W
R13	1-219-723-11 s	METAL 0.15 1% 1/4W
R14	1-216-077-00 s	METAL, CHIP 15K 5% 1/10W
R15	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R16	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R17	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R18	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R19	1-216-017-00 s	METAL, CHIP 47 5% 1/10W
R20	1-216-025-00 s	METAL, CHIP 100 5% 1/10W
R21	1-216-017-00 s	METAL, CHIP 47 5% 1/10W
R22	1-216-025-00 s	METAL, CHIP 100 5% 1/10W
R23	1-216-017-00 s	METAL, CHIP 47 5% 1/10W
R24	1-216-025-00 s	METAL, CHIP 100 5% 1/10W
R25	1-216-017-00 s	METAL, CHIP 47 5% 1/10W
R26	1-216-025-00 s	METAL, CHIP 100 5% 1/10W
R27	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R28	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R29	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R30	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R31	1-216-001-00 s	METAL, CHIP 10 5% 1/10W
R32	1-216-001-00 s	METAL, CHIP 10 5% 1/10W
R33	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R34	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R35	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R36	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R37	1-216-689-11 s	METAL, CHIP 39K 0.5% 1/10W
R38	1-216-093-00 s	METAL, CHIP 68K 5% 1/10W
R39	1-216-689-11 s	METAL, CHIP 39K 0.5% 1/10W

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PSW-31B BOARD  
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Ref. No.

or Q'ty Part No. SP Description

1pc	A-8269-442-A	s POWER ASSY [for J]
	A-8269-463-A	s POWER ASSY [for US,SY]
C101	1-111-057-11	s ELECT 120uF 20% 25V
C102	1-164-346-11	s CERAMIC 1uF 16V
C103	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C104	1-111-107-11	s ELECT 10uF 20% 50V
C105	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C106	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C107	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C108	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C109	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C110	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C111	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C112	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C113-117	1-135-209-11	s TANTALUM, CHIP 3.3uF 20% 10V
C118	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C119	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C120	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C121	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C122	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C123	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C124	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C125	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C126	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C127	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C128	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C129	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C130	1-164-218-11	s CERAMIC, CHIP 180PF 50V
C131	1-164-677-11	s CERAMIC, CHIP 0.033uF 10% 16V
C132-137	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C138-149	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C150	1-164-677-11	s CERAMIC, CHIP 0.033uF 10% 16V
D101	8-719-941-09	s DIODE DAP202U
D102	8-759-030-61	s IC TL431CM
IC101	8-759-927-99	s IC MB3761PF
IC102	8-759-066-68	s IC REF-03GS
IC103	8-759-260-57	s IC TL1451ACPW-E05
IC104	8-759-260-57	s IC TL1451ACPW-E05
IC105	8-759-260-57	s IC TL1451ACPW-E05
Q101	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q102	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q103	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q104	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q105-110	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q111	8-729-012-35	s TRANSISTOR 2SK711-BL
Q112	8-729-012-35	s TRANSISTOR 2SK711-BL
Q113	8-729-012-35	s TRANSISTOR 2SK711-BL
Q114	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q115	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q116	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q118	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q120	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q121	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q122	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q123	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q124	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q125	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q126	8-729-140-63	s TRANSISTOR 2SA1611-M5M6

(PSW-31B BOARD)

Ref. No.

or Q'ty Part No. SP Description

Q127	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q128	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q129	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q130	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q131	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q132	8-729-927-68	s TRANSISTOR UMW1
Q133	8-729-927-68	s TRANSISTOR UMW1
Q134	8-729-927-68	s TRANSISTOR UMW1
Q135	8-729-209-06	s TRANSISTOR 2SC4213-A
Q136	8-729-209-06	s TRANSISTOR 2SC4213-A
Q137	8-729-209-06	s TRANSISTOR 2SC4213-A
R101	1-218-881-11	s METAL, CHIP 27K 0.5% 1/16W
R102	1-218-707-11	s METAL, CHIP 4.3K 0.5% 1/16W
R103	1-218-740-11	s METAL, CHIP 100K 0.5% 1/16W
R104	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R105	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R106	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R107	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R108	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R109	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R110	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R111	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R112	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R113	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R114	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R115	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R116	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R117	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R118	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R119-126	1-218-367-11	s METAL, CHIP 10K 0.1% 1/10W
R127-132	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R133	1-219-711-11	s METAL, CHIP 220 0.1% 1/10W
R134	1-219-714-11	s METAL, CHIP 820 0.1% 1/10W
R135	1-219-712-11	s METAL, CHIP 390 0.1% 1/10W
R136	1-219-713-11	s METAL, CHIP 620 0.1% 1/10W
R137	1-219-710-11	s METAL, CHIP 100 0.1% 1/10W
R138	1-218-182-11	s METAL, CHIP 270 0.1% 1/16W
R139	1-219-715-11	s METAL, CHIP 5.1K 0.1% 1/10W
R140	1-219-715-11	s METAL, CHIP 5.1K 0.1% 1/10W
R141	1-219-715-11	s METAL, CHIP 5.1K 0.1% 1/10W
R142	1-211-998-11	s METAL, CHIP 4.7K 0.1% 1/10W
R143	1-219-715-11	s METAL, CHIP 5.1K 0.1% 1/10W
R144	1-219-716-11	s METAL, CHIP 5.6K 0.1% 1/10W
R145	1-218-367-11	s METAL, CHIP 10K 0.1% 1/10W
R146	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R147	1-219-717-11	s METAL, CHIP 18K 0.1% 1/10W
R148	1-219-391-21	s METAL, CHIP 47K 0.1% 1/10W
R149	1-216-677-11	s METAL, CHIP 12K 0.5% 1/10W
R150	1-216-674-11	s METAL, CHIP 9.1K 0.5% 1/10W
R151	1-216-684-11	s METAL, CHIP 24K 0.5% 1/10W
R152	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R153	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R154	1-218-367-11	s METAL, CHIP 10K 0.1% 1/10W
R155	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R156	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R157	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R158	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R159	1-216-833-11	s METAL, CHIP 10K 5% 1/16W

## (PSW-31B BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R160	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R161-166	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R167	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R168	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R169	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R170	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R171	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R172	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
R173	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R174	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R175	1-216-816-11	s METAL, CHIP 390 5% 1/16W
R177	1-216-812-11	s METAL, CHIP 180 5% 1/16W
R176	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R178	1-216-812-11	s METAL, CHIP 180 5% 1/16W
R179	1-216-812-11	s METAL, CHIP 180 5% 1/16W
R180	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R181	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R182	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R183	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R184	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R185	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R186	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R187	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R188	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R189	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R190	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R191	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R192	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R193	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R194	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R195	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R196	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R197	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R198	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R199	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R200	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R201	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R202	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R203	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
TH101	1-809-308-21	s THERMISTOR, CHIP 3.3K
TH102	1-809-308-21	s THERMISTOR, CHIP 3.3K
TH103	1-809-308-21	s THERMISTOR, CHIP 3.3K

## PSW-31C BOARD

Ref. No. or Q'ty	Part No.	SP Description
lpc	A-8269-442-A	s POWER ASSY [for J]
	A-8269-463-A	s POWER ASSY [for US,SY]
C301	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C302	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C303	1-163-038-00	s CERAMIC 0.1uF 25V
C304	1-164-489-11	s CERAMIC, CHIP 0.22uF 10% 16V
C305	1-164-489-11	s CERAMIC, CHIP 0.22uF 10% 16V
C306	1-164-489-11	s CERAMIC, CHIP 0.22uF 10% 16V
C307	1-163-989-11	s CERAMIC, CHIP 0.033uF 10% 25V
C308	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C309	1-163-038-00	s CERAMIC 0.1uF 25V
C310	1-163-038-00	s CERAMIC 0.1uF 25V
C311	1-127-513-00	s ALUMN SOLID 15uF 20% 25V
C312	1-111-156-11	s ELECT 5.6uF 20% 100V
C313	1-111-156-11	s ELECT 5.6uF 20% 100V
D301	8-719-901-83	s DIODE 1SS83
FB301	1-543-821-11	s BEAD, AMORPHOUS
IC301	8-759-937-36	s IC TL1451ACNS
L301	1-424-517-11	s COIL, CHOKE 200UH
Q301	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q302	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q303	8-729-120-53	s TRANSISTOR 2SJ132-Z
Q304	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q305	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q306	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q307	8-729-032-71	s TRANSISTOR 2SK1949L
R301	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R302	1-216-111-00	s METAL, CHIP 390K 5% 1/10W
R303	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R304	1-218-182-11	s METAL, CHIP 270 0.1% 1/16W
R305	1-219-715-11	s METAL, CHIP 5.1K 0.1% 1/10W
R306	1-218-367-11	s METAL, CHIP 10K 0.1% 1/10W
R307	1-218-367-11	s METAL, CHIP 10K 0.1% 1/10W
R308	1-220-154-11	s METAL, CHIP 100K 0.1% 1/10W
R309	1-220-154-11	s METAL, CHIP 100K 0.1% 1/10W
R310	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R311	1-219-724-11	s METAL 1 1% 1/4W
R312	1-219-724-11	s METAL 1 1% 1/4W
R313	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R314	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W
R315	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R316	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R317	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R318	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R319	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R320	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R321	1-215-857-11	s METAL 10 5% 1W
TH301	1-809-308-21	s THERMISTOR, CHIP 3.3K

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SE-233 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-657-800-11	o PRINTED CIRCUIT BOARD, SE-233
CN1	1-764-007-11	s CONNECTOR, 1.5mm SMD 12P, MALE
S1	1-572-719-11	s SWITCH, PUSH
S2	1-572-719-11	s SWITCH, PUSH
S3	1-572-719-11	s SWITCH, PUSH
S4	1-572-719-11	s SWITCH, PUSH
S7-11	1-572-719-11	s SWITCH, PUSH

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SST-3/3P BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-910-A	o MOUNTED CIRCUIT BOARD, SST-3 [for NTSC]
	A-8276-912-A	o MOUNTED CIRCUIT BOARD, SST-3P [for PAL]
1pc	3-509-140-00	o HOLDER, WIRE
BT111	1-528-292-11	o BATTERY, SUPER LITHIUM
C1	1-126-096-11	s ELECT 10uF 20% 35V
C2	1-124-242-00	s ELECT 33uF 20% 25V
C3	1-163-038-00	s CERAMIC 0.1uF 25V
C4	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C5	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C6	1-163-038-00	s CERAMIC 0.1uF 25V
C7	1-163-038-00	s CERAMIC 0.1uF 25V
C8	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C9	1-163-038-00	s CERAMIC 0.1uF 25V
C10	1-163-227-11	s CERAMIC, CHIP 10PF 5% 50V
C11	1-163-222-11	s CERAMIC, CHIP 5PF 50V
C12	1-164-346-11	s CERAMIC 1uF 16V
C13	1-164-346-11	s CERAMIC 1uF 16V
C14	1-128-126-11	s ELECT 100uF 20% 25V
C15	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C16	1-128-126-11	s ELECT 100uF 20% 25V
C17	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C18	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C19	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C20	1-126-401-11	s ELECT, CHIP 1uF 20% 50V
C21	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C22	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C23	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C24	1-163-038-00	s CERAMIC 0.1uF 25V
C25	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C26	1-128-499-11	s ELECT 220uF 20% 16V
C27	1-128-499-11	s ELECT 220uF 20% 16V
C28	1-163-038-00	s CERAMIC 0.1uF 25V
C29	1-163-038-00	s CERAMIC 0.1uF 25V
C30	1-163-038-00	s CERAMIC 0.1uF 25V
C31	1-163-038-00	s CERAMIC 0.1uF 25V
C111	1-126-916-11	s ELECT 1000uF 20% 6.3V
C112	1-163-038-00	s CERAMIC 0.1uF 25V
C113	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C114	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C115	1-163-038-00	s CERAMIC 0.1uF 25V
C116	1-163-113-00	s CERAMIC, CHIP 68PF 5% 50V
C117	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C118	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C119	1-163-038-00	s CERAMIC 0.1uF 25V
C120	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C121	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C122	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C151	1-163-038-00	s CERAMIC 0.1uF 25V
C152	1-163-038-00	s CERAMIC 0.1uF 25V
C153	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C154	1-163-038-00	s CERAMIC 0.1uF 25V
C155	1-163-038-00	s CERAMIC 0.1uF 25V
C156	1-163-038-00	s CERAMIC 0.1uF 25V
C301	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C302	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C303	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C304	1-163-038-00	s CERAMIC 0.1uF 25V
C305	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C306	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V
C307	1-163-038-00	s CERAMIC 0.1uF 25V
C308	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C309	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C310	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C351-358	1-163-038-00	s CERAMIC 0.1uF 25V
C401	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C402	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C403	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C404	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C405	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C406	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C407	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C408	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C409	1-126-096-11	s ELECT 10uF 20% 35V
C410	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C411	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C412	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C413	1-163-143-00	s CERAMIC, CHIP 0.0012uF 5% 50V
C414	1-163-143-00	s CERAMIC, CHIP 0.0012uF 5% 50V
C415	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C416	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C417	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C418	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C419	1-163-263-11	s CERAMIC, CHIP 330PF 5% 50V
C420	1-163-263-11	s CERAMIC, CHIP 330PF 5% 50V
C421	1-163-091-00	s CERAMIC, CHIP 8PF 50V
C422	1-163-091-00	s CERAMIC, CHIP 8PF 50V
C423	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C424	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C425	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C426	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C427	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C428	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C432-449	1-163-038-00	s CERAMIC 0.1uF 25V
C450	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C451	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C452	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C453	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C454	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C455	1-164-695-11	s CERAMIC 0.0022uF 5% 50V
C456	1-164-695-11	s CERAMIC 0.0022uF 5% 50V
C457	1-164-695-11	s CERAMIC 0.0022uF 5% 50V
C458	1-164-695-11	s CERAMIC 0.0022uF 5% 50V
C459	1-164-489-11	s CERAMIC, CHIP 0.22uF 10% 16V
C501	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C502	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C503	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C504	1-164-695-11	s CERAMIC 0.0022uF 5% 50V
C505	1-164-695-11	s CERAMIC 0.0022uF 5% 50V
C506	1-163-113-00	s CERAMIC, CHIP 68PF 5% 50V
C507	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C508	1-163-113-00	s CERAMIC, CHIP 68PF 5% 50V
C509	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C510	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C515	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP Description
C516	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C517	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C519	1-163-989-11	s CERAMIC, CHIP 0.033uF 10% 25V
C520-524	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C601	1-163-989-11	s CERAMIC, CHIP 0.033uF 10% 25V
C602	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C603	1-163-989-11	s CERAMIC, CHIP 0.033uF 10% 25V
C604	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V
C605	1-163-989-11	s CERAMIC, CHIP 0.033uF 10% 25V
C606	1-163-127-00	s CERAMIC, CHIP 270PF 5% 50V
C607	1-126-946-11	s ELECT 6800uF 20% 25V
C608	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C609	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C610	1-164-695-11	s CERAMIC 0.0022uF 5% 50V
C611	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C612	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C613	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C614	1-163-127-00	s CERAMIC, CHIP 270PF 5% 50V
C615	1-163-038-00	s CERAMIC 0.1uF 25V
C616	1-126-022-11	s ELECT 47uF 20% 25V
C617	1-164-695-11	s CERAMIC 0.0022uF 5% 50V
C618	1-163-038-00	s CERAMIC 0.1uF 25V
C619	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C620	1-126-022-11	s ELECT 47uF 20% 25V
C621	1-163-038-00	s CERAMIC 0.1uF 25V
C622	1-126-022-11	s ELECT 47uF 20% 25V
C623	1-126-022-11	s ELECT 47uF 20% 25V
C624	1-163-038-00	s CERAMIC 0.1uF 25V
C625	1-163-989-11	s CERAMIC, CHIP 0.033uF 10% 25V
C626	1-163-989-11	s CERAMIC, CHIP 0.033uF 10% 25V
C627	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C628	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C629	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C631	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C632	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C633	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C634	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C635	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C637-642	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C643	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C644	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C645	1-126-022-11	s ELECT 47uF 20% 25V
C646	1-126-022-11	s ELECT 47uF 20% 25V
C647	1-126-022-11	s ELECT 47uF 20% 25V
C648	1-126-022-11	s ELECT 47uF 20% 25V
C649	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C650	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C651	1-126-096-11	s ELECT 10uF 20% 35V
C652	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C801	1-165-112-11	s CERAMIC 0.33uF 16V
C802	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C803	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C804	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C805	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C806	1-104-547-11	s FILM, CHIP 0.0047uF 5% 16V [for NTSC]
	1-107-553-11	s FILM, CHIP 0.0056uF 2% 16V [for PAL]
C851	1-126-394-11	s ELECT, CHIP 10uF 20% 16V



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Ref. No. or Q'ty	Part No.	SP Description
C852	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C853	1-104-553-11	s FILM, CHIP 0.015uF 5% 16V
C854	1-135-201-11	s TANTALUM, CHIP 10uF 20% 6.3V
C855	1-135-201-11	s TANTALUM, CHIP 10uF 20% 6.3V
C856	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C857	1-163-038-00	s CERAMIC 0.1uF 25V
C858	1-163-038-00	s CERAMIC 0.1uF 25V
C859	1-163-038-00	s CERAMIC 0.1uF 25V
C860	1-163-038-00	s CERAMIC 0.1uF 25V
C861	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V
C901	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C902	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C903	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C904	1-104-552-11	s FILM, CHIP 0.012uF 5% 16V
C905	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C906	1-135-318-11	s TANTALUM, CHIP 33uF 20% 4V
C907	1-135-318-11	s TANTALUM, CHIP 33uF 20% 4V
C908	1-135-201-11	s TANTALUM, CHIP 10uF 20% 6.3V
C909	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C910	1-163-038-00	s CERAMIC 0.1uF 25V
C911	1-163-038-00	s CERAMIC 0.1uF 25V
C912	1-163-038-00	s CERAMIC 0.1uF 25V
C913	1-163-038-00	s CERAMIC 0.1uF 25V
C914	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V
C915	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C941	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C942	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C943	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C944	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C945	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C946	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C947	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C948	1-109-898-11	s CERAMIC, CHIP 0.018uF 5% 100V
C949	1-109-897-11	s CERAMIC, CHIP 0.015uF 5% 100V
C961	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C962	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C963	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C964	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C965	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C966	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C967	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C968	1-109-898-11	s CERAMIC, CHIP 0.018uF 5% 100V
C969	1-109-897-11	s CERAMIC, CHIP 0.015uF 5% 100V
C981	1-163-038-00	s CERAMIC 0.1uF 25V
C982	1-163-038-00	s CERAMIC 0.1uF 25V
C983	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C984	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C985	1-163-038-00	s CERAMIC 0.1uF 25V
C986	1-163-038-00	s CERAMIC 0.1uF 25V
C987	1-163-038-00	s CERAMIC 0.1uF 25V
C988	1-163-038-00	s CERAMIC 0.1uF 25V
C989	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C990	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C991	1-163-038-00	s CERAMIC 0.1uF 25V
C992	1-163-038-00	s CERAMIC 0.1uF 25V
C993	1-163-038-00	s CERAMIC 0.1uF 25V
C994	1-163-038-00	s CERAMIC 0.1uF 25V
CN1	1-506-469-11	s CONNECTOR 4P, MALE

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Ref. No. or Q'ty	Part No.	SP Description
CN101	1-566-767-11	o CONNECTOR 12P, MALE
CN102	1-506-469-11	s CONNECTOR 4P, MALE
CN103	1-566-766-11	o CONNECTOR 11P, MALE
CN104	1-566-765-11	o CONNECTOR 10P, MALE
CN105	1-566-760-11	s CONNECTOR, ZR 5P, MALE
CN106	1-565-772-11	o CONNECTOR, PS 10P, MALE
CN107	1-566-764-11	o CONNECTOR 9P, MALE
CN108	1-566-765-11	o CONNECTOR 10P, MALE
CN109	1-566-761-11	o CONNECTOR 6P, MALE
CN110	1-580-716-11	o CONNECTOR 13P, MALE
CN111	1-566-760-11	s CONNECTOR, ZR 5P, MALE
CN112	1-566-760-11	s CONNECTOR, ZR 5P, MALE
CN113	1-506-482-11	s CONNECTOR 3P, MALE
CN114	1-506-467-11	o CONNECTOR 2P, MALE
CN115	1-566-759-11	o CONNECTOR 4P, MALE
CN501	1-564-004-11	o CONNECTOR, 5P, MALE
CN901	1-774-267-11	s CONNECTOR, BOARD TO BOARD 20P
CN902	1-774-269-11	s CONNECTOR, BOARD TO BOARD 30P
CN903	1-774-269-11	s CONNECTOR, BOARD TO BOARD 30P
CN904	1-774-269-11	s CONNECTOR, BOARD TO BOARD 30P
CN905	1-774-269-11	s CONNECTOR, BOARD TO BOARD 30P
CNI24	1-526-662-21	o SOCKET, IC (DP) 40P
CNI413	1-540-119-11	o SOCKET, IC (IC113) 44P
CT941	1-424-511-11	s TRANSFORMER, FE
CT961	1-424-511-11	s TRANSFORMER, FE
CV111	1-141-368-11	s CAP, TRIMMER, CHIP 30PF
D1	8-719-911-19	s DIODE 1SS119
D2	8-719-820-12	s DIODE TLR224
D3	8-719-987-87	s DIODE ERA85-009
D4	8-719-975-85	s DIODE ERB83-004
D5	8-719-941-86	s DIODE DAN202U
D6	8-719-987-87	s DIODE ERA85-009
D7	8-719-987-87	s DIODE ERA85-009
D8	8-719-109-98	s DIODE 1SS97-0
D111	8-719-902-27	s LED EBR3402S, RED
D113	8-719-987-87	s DIODE ERA85-009
D114	8-719-941-86	s DIODE DAN202U
D115	8-719-941-86	s DIODE DAN202U
D301	8-719-941-86	s DIODE DAN202U
D302	8-719-941-09	s DIODE DAP202U
D351-358	8-719-977-34	s DIODE DTJ12
D401	8-719-941-09	s DIODE DAP202U
D402	8-719-941-09	s DIODE DAP202U
D403-409	8-719-987-87	s DIODE ERA85-009
D410	8-719-975-56	s DIODE 1SS120A
D501	8-719-913-37	s DIODE GP-1A06
D502	8-719-913-37	s DIODE GP-1A06
D505	8-719-989-22	s DIODE CL-150R-CD
D506	8-719-989-22	s DIODE CL-150R-CD
D507	8-719-989-22	s DIODE CL-150R-CD
D508	8-719-989-22	s DIODE CL-150R-CD
D601	8-719-106-53	s DIODE RD10M-B2
D602	8-719-975-85	s DIODE ERB83-004
D603	8-719-975-85	s DIODE ERB83-004
D604	8-719-106-88	s DIODE RD15M-B1
D605	8-719-941-86	s DIODE DAN202U

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Ref. No. or Q'ty	Part No.	SP Description
D606	8-719-941-86	s DIODE DAN202U
D607	8-719-975-85	s DIODE ERB83-004
D608	8-719-975-85	s DIODE ERB83-004
D609	8-719-941-86	s DIODE DAN202U
D610	8-719-941-86	s DIODE DAN202U
D611	8-719-941-23	s DIODE DA204U
D612	8-719-941-23	s DIODE DA204U
D614	8-719-109-76	s DIODE RD4.3ESB3
D615	8-719-109-76	s DIODE RD4.3ESB3
D801	8-719-941-23	s DIODE DA204U
D802	8-719-941-23	s DIODE DA204U
D803	8-719-105-28	s DIODE RD2.4M-B
D804	8-719-105-28	s DIODE RD2.4M-B
D941	8-719-941-86	s DIODE DAN202U
D961	8-719-941-86	s DIODE DAN202U
D962	8-719-801-48	s DIODE 1SS193
FB1	1-543-309-21	s BEAD, FERRITE
FB601	1-543-309-21	s BEAD, FERRITE
FB602	1-543-309-21	s BEAD, FERRITE
FB603	1-543-309-21	s BEAD, FERRITE
IC1	8-759-925-90	s IC SN74HC74ANS
IC2	8-759-925-90	s IC SN74HC74ANS
IC3	8-759-186-38	s IC TC74VHC32F
IC4	8-759-985-18	s IC 74AC08SJ
IC5	8-759-209-15	s IC TC4SU69F
IC6	8-759-985-22	s IC 74AC11SJ
IC7	8-759-985-17	s IC 74AC04SJ
IC8	8-759-989-91	s IC TL7705ACPS
IC9	8-759-925-74	s IC TC74HC04ANS
IC10	8-759-926-77	s IC SN74HC541ANS
IC11	8-759-925-75	s IC SN74HC05ANS
IC12	8-759-925-90	s IC SN74HC74ANS
IC13	8-759-925-90	s IC SN74HC74ANS
IC14	8-759-985-78	s IC 74AC541SJ
IC15	8-759-361-52	s IC MC68340FE16C
IC16	8-759-985-26	s IC 74AC74SJ
IC17	8-759-985-26	s IC 74AC74SJ
IC18	8-759-985-33	s IC 74AC139SJ
IC19	8-759-985-25	s IC 74AC32SJ
IC20	8-759-985-25	s IC 74AC32SJ
IC21	8-759-985-25	s IC 74AC32SJ
IC22	8-759-985-26	s IC 74AC74SJ
IC23	8-759-985-26	s IC 74AC74SJ
IC25	8-752-337-79	s IC CXK58257AM-10LL
IC26	8-752-337-79	s IC CXK58257AM-10LL
IC27	8-759-985-25	s IC 74AC32SJ
IC28	8-759-054-54	s IC SRM2016M10
IC29	8-759-937-36	s IC TL1451ACNS
IC30	8-759-009-05	s IC MC14051BF
IC31	8-759-243-26	s IC TC35080P
IC32	8-759-035-93	s IC TC7S32F-TE85L
IC33	8-759-195-02	s IC TC7S86F-TE85R
IC112	8-759-081-42	s IC TC74VHC00F
IC113	8-759-059-20	s IC UPD75004GB-755-3B4
IC114	8-759-083-94	s IC TC7W74FU
IC115	8-759-922-48	s IC S-8052ALY
IC116	8-759-927-18	s IC SN74HCT541NS
IC117	8-759-209-15	s IC TC4SU69F

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Ref. No. or Q'ty	Part No.	SP Description
IC118	8-759-175-77	s IC CXD8384Q
IC119	8-759-300-71	s IC HD14053BFP
IC120	8-759-348-84	s IC HM53051FP-60
IC121	8-759-230-14	s IC TC4S81F(TE85R)
IC122	8-759-031-84	s IC TC7S04F
IC151	8-759-926-77	s IC SN74HC541ANS
IC153	8-759-348-79	s IC TE7751
IC154	8-759-926-77	s IC SN74HC541ANS
IC155	8-759-926-77	s IC SN74HC541ANS
IC156	8-759-926-77	s IC SN74HC541ANS
IC158	8-759-938-68	s IC CXD1095Q
IC160	8-759-985-17	s IC 74AC04SJ
IC164	8-759-927-12	s IC SN74HCT244ANS
IC165	8-759-175-55	s IC CXD8805Q
IC167	8-759-053-58	s IC IDT6116SA25SO
IC301	8-759-320-67	s IC HM6264ALFP-12LTZ
IC302	8-759-999-19	s IC MB88323A-PF-K2
IC303	8-759-175-56	s IC CXD8804Q
IC304	8-759-927-18	s IC SN74HCT541NS
IC306	8-759-926-77	s IC SN74HC541ANS
IC307	8-759-926-98	s IC SN74HC4040ANS
IC308	8-759-926-77	s IC SN74HC541ANS
IC309	8-759-241-49	s IC TC74HCT540AF
IC310	1-577-382-11	s VCO, CRYSTAL 16.000MHz
IC311	8-759-927-15	s IC SN74HCT245NS
IC312	8-759-926-77	s IC SN74HC541ANS
IC351	8-759-246-11	s IC T6963C
IC352	8-759-054-54	s IC SRM2016M10
IC353	8-759-348-83	s IC LTC1337CS
IC354	8-759-348-82	s IC LTC491CS-E2
IC355	8-759-356-96	s IC LT1180ACS-E2
IC401	8-759-983-74	s IC LM324NS
IC402	8-759-009-05	s IC MC14051BF
IC403	8-759-009-05	s IC MC14051BF
IC404	8-759-348-69	s IC HD6415108RF10
IC405	8-759-294-75	s IC CAT93C46KI
IC406	8-759-805-32	s IC LA7205M
IC407	8-759-805-32	s IC LA7205M
IC409	8-759-053-58	s IC IDT6116SA25SO
IC410	8-759-053-58	s IC IDT6116SA25SO
IC411	8-759-925-78	s IC SN74HC10ANS
IC412	8-759-927-46	s IC SN74HC00ANS
IC414	8-759-239-55	s IC TC74HC123AF
IC415	8-759-032-01	s IC MC74HC00AF
IC501	8-759-983-74	s IC LM324NS
IC502	8-759-925-05	s IC LM2903PS
IC504	8-752-343-05	s IC CXD2202Q
IC505	8-759-983-69	s IC LM358PS
IC506	8-759-938-68	s IC CXD1095Q
IC601	8-759-925-05	s IC LM2903PS
IC602	8-759-983-69	s IC LM358PS
IC603	8-759-983-69	s IC LM358PS
IC604	8-759-983-69	s IC LM358PS
IC605	8-759-925-05	s IC LM2903PS
IC606	8-759-245-52	s IC TA7291F
IC607	8-759-245-52	s IC TA7291F
IC608	8-759-983-74	s IC LM324NS
IC609	8-759-983-74	s IC LM324NS
IC610	8-759-925-05	s IC LM2903PS

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC611	8-759-983-69	s IC LM358PS
IC612	8-759-983-69	s IC LM358PS
IC801	8-759-173-16	s IC TL062CPW
IC802	8-759-700-45	s IC NJM4556M-A
IC803	8-759-209-57	s IC TC4S69F
IC851	8-759-066-61	s IC TC4053BFS
IC852	8-759-710-28	s IC NJM4565M-A
IC853	8-759-700-07	s IC NJM2903M
IC901	8-759-066-61	s IC TC4053BFS
IC902	8-759-710-28	s IC NJM4565M-A
IC903	8-759-700-07	s IC NJM2903M
IC904	8-759-209-15	s IC TC4SU69F
IC941	8-759-209-15	s IC TC4SU69F
IC961	8-759-209-15	s IC TC4SU69F
L1	1-424-517-11	s COIL, CHOKE 200uH
L2	1-424-517-11	s COIL, CHOKE 200uH
L301	1-408-779-31	s INDUCTOR, CHIP 15uH
L601	1-424-517-11	s COIL, CHOKE 200uH
L602	1-424-517-11	s COIL, CHOKE 200uH
L603	1-424-517-11	s COIL, CHOKE 200uH
L604	1-424-517-11	s COIL, CHOKE 200uH
L941	1-424-642-11	s COIL, CHOKE 47uH
L961	1-424-642-11	s COIL, CHOKE 47uH
L981	1-424-643-11	s COIL, CHOKE 10uH
L982	1-424-643-11	s COIL, CHOKE 10uH
LV961	1-414-007-11	s COIL, VAR 1.5uH
Q1	8-729-117-32	s TRANSISTOR 2SC4177
Q2	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q3	8-729-321-78	s TRANSISTOR 2SJ176
Q4	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q5	8-729-019-03	s TRANSISTOR 2SB1202FA-T-TL
Q6	8-729-019-03	s TRANSISTOR 2SB1202FA-T-TL
Q7	8-729-141-75	s TRANSISTOR 2SD596DV345
Q8	8-729-141-75	s TRANSISTOR 2SD596DV345
Q9	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q151	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q152	8-729-117-32	s TRANSISTOR 2SC4177
Q153	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q401	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q402	8-729-117-32	s TRANSISTOR 2SC4177
Q403-409	8-729-143-79	s TRANSISTOR 2SK738
Q501	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q502	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q503	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q602	8-729-117-32	s TRANSISTOR 2SC4177
Q603	8-729-019-03	s TRANSISTOR 2SB1202FA-T-TL
Q604	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q605	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q606	8-729-807-16	s TRANSISTOR 2SD1621
Q607	8-729-019-03	s TRANSISTOR 2SB1202FA-T-TL
Q608	8-729-118-56	s TRANSISTOR 2SK852-X2
Q609	8-729-020-93	s TRANSISTOR 2SC2982C-TE12L
Q610	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q611	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q612	8-729-019-03	s TRANSISTOR 2SB1202FA-T-TL
Q613	8-729-019-03	s TRANSISTOR 2SB1202FA-T-TL
Q614	8-729-140-63	s TRANSISTOR 2SA1611-M5M6

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q615	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q616	8-729-117-32	s TRANSISTOR 2SC4177
Q617	8-729-117-32	s TRANSISTOR 2SC4177
Q618-625	8-729-019-03	s TRANSISTOR 2SB1202FA-T-TL
Q626	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q627	8-729-117-32	s TRANSISTOR 2SC4177
Q628	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q629	8-729-117-32	s TRANSISTOR 2SC4177
Q630	8-729-030-03	s TRANSISTOR DTC144ESA-TP
Q801	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q802	8-729-109-44	s TRANSISTOR 2SK94
Q851	8-729-117-32	s TRANSISTOR 2SC4177
Q852	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q853	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q854	8-729-824-34	s TRANSISTOR 2SJ187
Q855	8-729-030-95	s TRANSISTOR 2SK2151-TD
Q856	8-729-209-07	s TRANSISTOR 2SC4213-B
Q901	8-729-117-32	s TRANSISTOR 2SC4177
Q902	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q903	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q904	8-729-824-34	s TRANSISTOR 2SJ187
Q905	8-729-030-95	s TRANSISTOR 2SK2151-TD
Q941	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q942	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q943	8-729-824-34	s TRANSISTOR 2SJ187
Q944	8-729-209-07	s TRANSISTOR 2SC4213-B
Q945	8-729-209-07	s TRANSISTOR 2SC4213-B
Q961	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q962	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q963	8-729-824-34	s TRANSISTOR 2SJ187
Q964	8-729-209-07	s TRANSISTOR 2SC4213-B
Q965	8-729-209-07	s TRANSISTOR 2SC4213-B
Q966	8-729-027-56	s TRANSISTOR DTC143TKA-T146
R1	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R2	1-249-406-11	s CARBON 120 5% 1/4W
R3	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R4	1-216-039-00	s METAL, CHIP 390 5% 1/10W
R5	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R6	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R7	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R8	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R9	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R14	1-216-109-00	s METAL, CHIP 330K 5% 1/10W
R17	1-218-179-11	s METAL, CHIP 10M 5% 1/10W
R18	1-218-179-11	s METAL, CHIP 10M 5% 1/10W
R25	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R27-34	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R36	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R37-41	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R42	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R43	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R44	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R45	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R46	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R47	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R48	1-218-179-11	s METAL, CHIP 10M 5% 1/10W
R49	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R50	1-216-089-00	s METAL, CHIP 47k 5% 1/10W

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R51	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R52	1-216-113-00	s METAL, CHIP 470K 5% 1/10W
R53	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R54	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R55	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R56	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R57	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R58	1-216-079-00	s METAL, CHIP 18K 5% 1/10W
R59	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R60	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R61	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R69	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R70	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R71	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R72	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R73	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R74	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R75	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R76	1-216-662-11	s METAL, CHIP 3K 0.5% 1/10W
R77	1-208-824-11	s METAL, CHIP 56K 0.5% 1/10W
R78	1-208-824-11	s METAL, CHIP 56K 0.5% 1/10W
R81	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R82	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R83	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R84	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R85	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R86	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R87	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R88	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R89	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R90	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R91	1-208-817-11	s METAL, CHIP 30K 0.5% 1/10W
R92	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R93	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R94	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R95	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R96	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R97	1-218-759-11	s METAL, CHIP 200K 0.5% 1/10W
R98	1-216-684-11	s METAL, CHIP 24K 0.5% 1/10W
R99	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R100	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R101	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R102	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R111	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R112	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R113	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R114	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R115	1-216-003-11	s METAL, CHIP 12 5% 1/10W
R116	1-216-003-11	s METAL, CHIP 12 5% 1/10W
R121	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R127	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R128	1-216-073-00	s METAL, CHIP 10K 5% 1/10W [for NTSC]
R129	1-216-073-00	s METAL, CHIP 10K 5% 1/10W [for PAL]
R130	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R131	1-216-133-00	s METAL, CHIP 3.3M 5% 1/10W
R134	1-216-133-00	s METAL, CHIP 3.3M 5% 1/10W
R135	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R136	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R137	1-216-073-00	s METAL, CHIP 10K 5% 1/10W

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R138	1-216-129-00	s METAL, CHIP 2.2M 5% 1/10W
R139	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R151-158	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R208	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R209	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R210	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R211	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R215	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R216	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R217	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R218	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R219	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R220	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R221	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R222	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R223	1-247-855-11	s CARBON 10K 5% 1/4W
R252	1-216-073-00	s METAL, CHIP 10K 5% 1/10W [for NTSC]
R253	1-216-073-00	s METAL, CHIP 10K 5% 1/10W [for PAL]
R256	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R258	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R260	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R261	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R262	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R301	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R302	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R311	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R312	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R313	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R314	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R315	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R316	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R317	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R318	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R321	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R339	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R340	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R351	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R352	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R353	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R354	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R355	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R356	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R357	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R401	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R402	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R407-414	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R415	1-216-103-00	s METAL, CHIP 180k 5% 1/10W
R416	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R417	1-216-079-00	s METAL, CHIP 18K 5% 1/10W
R418	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R419	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R420	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R421	1-216-079-00	s METAL, CHIP 18K 5% 1/10W
R423	1-216-103-00	s METAL, CHIP 180k 5% 1/10W
R425	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R426	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R427	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R428	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R429	1-216-073-00	s METAL, CHIP 10K 5% 1/10W

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R436	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R437	1-216-682-11	s METAL, CHIP 20K 0.5% 1/10W
R438	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R439	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R440	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R441	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R442	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R443	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R444	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R445	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R446	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R463	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R464-470	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R471	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R472	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R473	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R474-480	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R481-487	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R488	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R489	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R490	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R491	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R492	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R493	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R494	1-247-871-11	s CARBON 47K 5% 1/4W
R501-506	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R508	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R509	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R510	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R511	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R512	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R513	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R517	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R519	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R521	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R522	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R523	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R526	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R527	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R528	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R530	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R534	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R535	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R536	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R538	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R540	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R541	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R542	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R543	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R580	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R581	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R582	1-247-847-11	s CARBON 4.7K 5% 1/4W
R583	1-247-847-11	s CARBON 4.7K 5% 1/4W
R601	1-218-768-11	s METAL 470K 0.5% 1/10W
R602	1-218-768-11	s METAL 470K 0.5% 1/10W
R603	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R604	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R605	1-218-770-11	s METAL, CHIP 560K 0.50% 1/10W
R606	1-216-073-00	s METAL, CHIP 10K 5% 1/10W

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R607	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R608	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R609	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R610	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R611	1-216-698-11	s METAL, CHIP 91K 0.5% 1/10W
R612	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R613	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R614	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R615	1-216-682-11	s METAL, CHIP 20K 0.5% 1/10W
R616	1-218-756-11	s METAL, CHIP 150K 0.5% 1/10W
R617	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R618	1-218-756-11	s METAL, CHIP 150K 0.5% 1/10W
R619	1-216-697-11	s METAL, CHIP 82K 0.5% 1/10W
R620	1-218-760-11	s METAL, CHIP 220K 0.5% 1/10W
R621	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R622	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R623	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R624	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R625	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R626	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R627	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R628	1-218-760-11	s METAL, CHIP 220K 0.5% 1/10W
R629	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R630	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R631	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R632	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R633	1-216-697-11	s METAL, CHIP 82K 0.5% 1/10W
R634	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R635	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R636	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R637	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R638	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R639	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R640	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R641	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R642	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R643	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R644	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R645	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R646	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R647	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R648	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R649	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R650	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R651	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R652	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R653	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R654	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R655	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R656	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R657	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R658	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R659	1-216-695-11	s METAL, CHIP 68K 0.5% 1/10W
R660	1-216-695-11	s METAL, CHIP 68K 0.5% 1/10W
R661	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R662	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R663	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R664	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R665	1-216-049-11	s METAL, CHIP 1K 5% 1/10W

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R666	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R667	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R668	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R669	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R670	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R671	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R672	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R673	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R674	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R675	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R676	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R677-683	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R684	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R685	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R686	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R687	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R688	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R689	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R690	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R691	1-218-760-11	s METAL, CHIP 220K 0.5% 1/10W
R692	1-218-760-11	s METAL, CHIP 220K 0.5% 1/10W
R693	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R694	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R695	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R696	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R697	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R698	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R699	1-218-760-11	s METAL, CHIP 220K 0.5% 1/10W
R700	1-218-760-11	s METAL, CHIP 220K 0.5% 1/10W
R701	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R702	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R703	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R704	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R705-710	1-218-236-11	s METAL, CHIP 1 10% 1/4W
R711	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R712	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R713	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R714	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R715	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R716	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R717	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R718	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R719	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R720	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R721	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R722	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R723	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R724	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R725	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R726	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R727	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R728	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R729	1-247-855-11	s CARBON 10K 5% 1/4W
R801	1-216-295-00	s RES, CHIP 0
R802	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R803	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R804	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R805	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R806	1-216-097-00	s METAL, CHIP 100K 5% 1/10W

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R807	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R808	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R809	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R810	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R811	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R812	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R813	1-208-799-11	s METAL, CHIP 5.1K 0.5% 1/10W
R814	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R815	1-216-295-00	s RES, CHIP 0
R816	1-216-295-00	s RES, CHIP 0
R817	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R818	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R819	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R851	1-216-295-00	s RES, CHIP 0
R852	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R853	1-216-295-00	s RES, CHIP 0
R854	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R855	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R856	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R857	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R858	1-216-113-00	s METAL, CHIP 470K 5% 1/10W
R859	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R860	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R861	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R862	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R863	1-218-756-11	s METAL, CHIP 150K 0.5% 1/10W
R864	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R865	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R866	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R867	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R868	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R869	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R870	1-216-685-11	s METAL, CHIP 27K 0.5% 1/10W
R871	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R872	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R873	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R874	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R901	1-216-295-00	s RES, CHIP 0
R902	1-216-295-00	s RES, CHIP 0
R903	1-216-295-00	s RES, CHIP 0
R904	1-216-101-00	s METAL, CHIP 150K 5% 1/10W
R905	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R906	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R907	1-216-101-00	s METAL, CHIP 150K 5% 1/10W
R908	1-216-113-00	s METAL, CHIP 470K 5% 1/10W
R909	1-216-657-11	s METAL, CHIP 1.8K 0.5% 1/10W
R910	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R911	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W
R912	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R913	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R914	1-218-756-11	s METAL, CHIP 150K 0.5% 1/10W
R915	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R916	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R917	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R918	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R919	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R920	1-218-762-11	s METAL, CHIP 270K 0.5% 1/10W
R921	1-218-762-11	s METAL, CHIP 270K 0.5% 1/10W
R922	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R923	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R924	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R925	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R926	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R927	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R941	1-216-295-00	s RES, CHIP 0
R942	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R943	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R944	1-216-111-00	s METAL, CHIP 390K 5% 1/10W
R945	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R946	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R947	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R948	1-216-298-00	s METAL 2.2 5% 1/10W
R949	1-216-298-00	s METAL 2.2 5% 1/10W
R950	1-216-298-00	s METAL 2.2 5% 1/10W
R951	1-216-298-00	s METAL 2.2 5% 1/10W
R961	1-216-295-00	s RES, CHIP 0
R962	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R963	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R964	1-216-111-00	s METAL, CHIP 390K 5% 1/10W
R965	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R966	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R967	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R968	1-216-298-00	s METAL 2.2 5% 1/10W
R969	1-216-298-00	s METAL 2.2 5% 1/10W
R970	1-216-295-00	s RES, CHIP 0
R971	1-216-298-00	s METAL 2.2 5% 1/10W
R972	1-216-298-00	s METAL 2.2 5% 1/10W
RB1	1-239-308-11	s RESISTOR BLOCK, CHIP 47kx8
RB2	1-239-308-11	s RESISTOR BLOCK, CHIP 47kx8
RB3	1-236-908-11	s NETWORK RESISTOR (CHIP) 10K
RB4	1-236-908-11	s NETWORK RESISTOR (CHIP) 10K
RB101	1-239-286-11	s NETWORK RESISTOR (CHIP) 22K
RB102	1-239-286-11	s NETWORK RESISTOR (CHIP) 22K
RB151-163	1-239-308-11	s RESISTOR BLOCK, CHIP 47kx8
RB301-305	1-239-308-11	s RESISTOR BLOCK, CHIP 47kx8
RB401	1-236-908-11	s NETWORK RESISTOR (CHIP) 10K
RB402	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB403	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB404	1-239-308-11	s RESISTOR BLOCK, CHIP 47kx8
RB405	1-239-308-11	s RESISTOR BLOCK, CHIP 47kx8
RB406	1-239-308-11	s RESISTOR BLOCK, CHIP 47kx8
RB501	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB502	1-236-904-11	s NETWORK RESISTOR (CHIP) 1.0K
RB503	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB504	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB505	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB506	1-236-904-11	s NETWORK RESISTOR (CHIP) 1.0K
RB508	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB509	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB510	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB511	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K
RB512	1-239-305-11	s RESISTOR BLOCK, CHIP 4.7kx8
RB513	1-236-907-11	s NETWORK RESISTOR (CHIP) 100K
RB514	1-239-430-11	s NETWORK RESISTOR (CHIP) 4.7K

## (SST-3/3P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV1	1-237-035-11	s RES, ADJ METAL 5K
RV2	1-237-035-11	s RES, ADJ METAL 5K
RV401	1-241-520-11	s RES, VAR CARBON 10K
RV402	1-237-038-11	s RES, ADJ METAL 50K
RY961	1-515-716-11	s RELAY (TQ2-5V)
S1	1-553-856-00	s SWITCH, TACTILE
S151	1-692-536-11	s SWITCH, DIP 8-CKT
S501	1-692-032-21	s SWITCH, PUSH
S502	1-692-032-21	s SWITCH, PUSH
S503	1-692-881-21	s SWITCH, SLIDE
X1	1-578-741-11	s CRYSTAL 31.25 KHz
X2	1-760-488-21	s CRYSTAL 3.68640000MHz
X111	1-567-160-21	s RESONATOR, CERAMIC 4.19MHz
X112	1-578-742-11	s CRYSTAL 31.4685KHz [for NTSC]
	1-578-741-11	s CRYSTAL 31.25 KHz [for PAL]
X113	1-579-993-21	s CRYSTAL 13.50MHz
X401	1-579-996-21	s RESONATOR, CERAMIC 20.00MHz

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TR-57 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6754-272-A	o MOUNTED CIRCUIT BOARD, TR-57
4pcs	1-564-831-11	o CONTACT, FEMALE
4pcs	1-569-193-11	o CONTACT, FEMALE
CN1	1-562-737-11	o HOUSING, 4P
CN954	1-569-197-41	o HOUSING, 4P
PD1	8-745-001-07	s DME DM-230-1

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VPR-12/12P BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-914-A	o MOUNTED CIRCUIT BOARD, VPR-12 [for NTSC]
	A-8276-942-A	o MOUNTED CIRCUIT BOARD, VPR-12P [for PAL]
C1	1-163-033-00	s CERAMIC 0.022uF 50V
C2	1-163-033-00	s CERAMIC 0.022uF 50V
C3	1-163-033-00	s CERAMIC 0.022uF 50V
C4	1-163-033-00	s CERAMIC 0.022uF 50V
C5	1-163-237-11	s CERAMIC, CHIP 27PF 5% 50V [for NTSC]
	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V [for PAL]
C7	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C8	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C9	1-163-033-00	s CERAMIC 0.022uF 50V
C10	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C11	1-163-033-00	s CERAMIC 0.022uF 50V
C12	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C13	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V [for NTSC]
	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V [for PAL]
C14	1-163-033-00	s CERAMIC 0.022uF 50V
C15	1-163-033-00	s CERAMIC 0.022uF 50V
C16	1-163-033-00	s CERAMIC 0.022uF 50V
C17	1-163-033-00	s CERAMIC 0.022uF 50V
C18	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C19	1-163-249-11	s CERAMIC, CHIP 82pF 5% 50V [for NTSC]
	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V [for PAL]
C20	1-163-237-11	s CERAMIC, CHIP 27PF 5% 50V [for NTSC]
	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V [for PAL]
C21	1-163-237-11	s CERAMIC, CHIP 27PF 5% 50V [for NTSC]
	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V [for PAL]
C22	1-163-253-11	s CERAMIC, CHIP 120PF 5% 50V [for NTSC]
	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V [for PAL]
C23	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C24	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C25	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V [for NTSC]
	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V [for PAL]
C26	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V [for NTSC]
	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V [for PAL]
C27	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C28	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C29	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C30	1-163-237-11	s CERAMIC, CHIP 27PF 5% 50V [for NTSC]
	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V [for PAL]
C31	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C32	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C33	1-163-033-00	s CERAMIC 0.022uF 50V
C34	1-163-033-00	s CERAMIC 0.022uF 50V
C35	1-163-033-00	s CERAMIC 0.022uF 50V

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Ref. No. or Q'ty	Part No.	SP Description
C36	1-163-033-00	s CERAMIC 0.022uF 50V
C38	1-163-033-00	s CERAMIC 0.022uF 50V
C39	1-163-033-00	s CERAMIC 0.022uF 50V
C40	1-163-033-00	s CERAMIC 0.022uF 50V
C41	1-104-559-11	s FILM, CHIP 0.047uF 5% 16V
C42	1-163-033-00	s CERAMIC 0.022uF 50V
C43	1-163-033-00	s CERAMIC 0.022uF 50V
C44	1-163-033-00	s CERAMIC 0.022uF 50V
C45	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C46	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C47	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C48	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C49	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C50	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C51	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C52	1-163-253-11	s CERAMIC, CHIP 120PF 5% 50V [for NTSC]
	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V [for PAL]
C54	1-163-033-00	s CERAMIC 0.022uF 50V
C53	1-163-038-00	s CERAMIC 0.1uF 25V
C55	1-163-033-00	s CERAMIC 0.022uF 50V
C56	1-163-033-00	s CERAMIC 0.022uF 50V
C57	1-163-033-00	s CERAMIC 0.022uF 50V
C58	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C59	1-163-033-00	s CERAMIC 0.022uF 50V
C62	1-163-033-00	s CERAMIC 0.022uF 50V
C63	1-163-033-00	s CERAMIC 0.022uF 50V
C60	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C61	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C64	1-109-894-11	s ELECT 33uF 20% 10V
C65	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C66	1-163-033-00	s CERAMIC 0.022uF 50V
C67	1-163-033-00	s CERAMIC 0.022uF 50V
C68	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C69	1-163-033-00	s CERAMIC 0.022uF 50V
C70	1-163-038-00	s CERAMIC 0.1uF 25V
C71	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C72	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C73	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C74	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C75	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C76	1-163-038-00	s CERAMIC 0.1uF 25V
C77	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C78	1-163-038-00	s CERAMIC 0.1uF 25V
C79	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C80-85	1-163-038-00	s CERAMIC 0.1uF 25V
C86-93	1-163-033-00	s CERAMIC 0.022uF 50V
C95	1-163-033-00	s CERAMIC 0.022uF 50V
C96	1-163-033-00	s CERAMIC 0.022uF 50V
C99	1-163-033-00	s CERAMIC 0.022uF 50V
C94	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C97	1-135-160-21	s TANTALUM 15uF 20% 16V
C98	1-109-894-11	s ELECT 33uF 20% 10V
C100	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C101	1-163-038-00	s CERAMIC 0.1uF 25V
C102	1-163-033-00	s CERAMIC 0.022uF 50V
C103	1-163-033-00	s CERAMIC 0.022uF 50V
C104	1-163-033-00	s CERAMIC 0.022uF 50V



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Ref. No. or Q'ty	Part No.	SP Description
C105	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C106	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C107	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C108	1-163-038-00	s CERAMIC 0.1uF 25V
C109	1-163-038-00	s CERAMIC 0.1uF 25V
C110	1-163-033-00	s CERAMIC 0.022uF 50V
C111	1-163-033-00	s CERAMIC 0.022uF 50V
C112	1-163-033-00	s CERAMIC 0.022uF 50V
C113	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C114	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C115	1-163-033-00	s CERAMIC 0.022uF 50V
C116	1-163-033-00	s CERAMIC 0.022uF 50V
C117	1-163-033-00	s CERAMIC 0.022uF 50V
C118	1-163-033-00	s CERAMIC 0.022uF 50V
C119	1-163-038-00	s CERAMIC 0.1uF 25V
C120	1-163-038-00	s CERAMIC 0.1uF 25V
C121-125	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C126	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C127-131	1-163-038-00	s CERAMIC 0.1uF 25V
C132	1-163-033-00	s CERAMIC 0.022uF 50V
C133	1-163-033-00	s CERAMIC 0.022uF 50V
C134	1-109-894-11	s ELECT 33uF 20% 10V
C200	1-163-033-00	s CERAMIC 0.022uF 50V
C201	1-163-033-00	s CERAMIC 0.022uF 50V
C202	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C203	1-163-033-00	s CERAMIC 0.022uF 50V
C204	1-163-033-00	s CERAMIC 0.022uF 50V
C205	1-163-033-00	s CERAMIC 0.022uF 50V
C206	1-163-033-00	s CERAMIC 0.022uF 50V
C207	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C208	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C209	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C210	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C211	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C213	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C214	1-127-517-11	s ALMUN SOLID 150uF 20% 16V
C215	1-163-237-11	s CERAMIC, CHIP 27PF 5% 50V [for NTSC]
	1-163-241-11	s CERAMIC, CHIP 39PF 5% 50V [for PAL]
C217	1-163-033-00	s CERAMIC 0.022uF 50V
C218	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C219	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C220-224	1-163-033-00	s CERAMIC 0.022uF 50V
C225	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C226	1-163-033-00	s CERAMIC 0.022uF 50V
C227	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C228	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C229	1-163-033-00	s CERAMIC 0.022uF 50V
C230	1-163-033-00	s CERAMIC 0.022uF 50V
C231	1-163-033-00	s CERAMIC 0.022uF 50V
C232	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C233	1-163-033-00	s CERAMIC 0.022uF 50V
C234	1-163-033-00	s CERAMIC 0.022uF 50V
C235	1-163-033-00	s CERAMIC 0.022uF 50V
C236	1-163-033-00	s CERAMIC 0.022uF 50V
C237	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C238	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C239	1-163-033-00	s CERAMIC 0.022uF 50V
C240	1-163-033-00	s CERAMIC 0.022uF 50V

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Ref. No. or Q'ty	Part No.	SP Description
C241	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C242	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C243	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C244	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C245	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C246	1-163-033-00	s CERAMIC 0.022uF 50V
C247	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C248	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C250	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C251	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C252	1-163-033-00	s CERAMIC 0.022uF 50V
C253	1-163-263-11	s CERAMIC, CHIP 330PF 5% 50V
C254	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C255	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C256	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C257	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C258	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C259	1-163-033-00	s CERAMIC 0.022uF 50V
C260	1-163-033-00	s CERAMIC 0.022uF 50V
C261	1-163-033-00	s CERAMIC 0.022uF 50V
C262	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C263	1-163-033-00	s CERAMIC 0.022uF 50V
C264	1-163-033-00	s CERAMIC 0.022uF 50V
C265	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C266	1-163-033-00	s CERAMIC 0.022uF 50V
C267	1-163-033-00	s CERAMIC 0.022uF 50V
C268	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C269	1-163-033-00	s CERAMIC 0.022uF 50V
C270	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C272	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C273	1-163-033-00	s CERAMIC 0.022uF 50V
C274	1-163-033-00	s CERAMIC 0.022uF 50V
C275	1-163-033-00	s CERAMIC 0.022uF 50V
C276	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C277	1-163-033-00	s CERAMIC 0.022uF 50V
C278	1-109-894-11	s ELECT 33uF 20% 10V
C279	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C280	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C281	1-163-033-00	s CERAMIC 0.022uF 50V
C282	1-163-033-00	s CERAMIC 0.022uF 50V
C283	1-163-033-00	s CERAMIC 0.022uF 50V
C284	1-163-038-00	s CERAMIC 0.1uF 25V
C285	1-163-038-00	s CERAMIC 0.1uF 25V
C286	1-163-038-00	s CERAMIC 0.1uF 25V
C287	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C288	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C289	1-163-033-00	s CERAMIC 0.022uF 50V
C290	1-163-038-00	s CERAMIC 0.1uF 25V
C291	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C292	1-163-033-00	s CERAMIC 0.022uF 50V
C293	1-162-718-11	s CERAMIC 220PF 1% 50V [for NTSC]
	1-162-714-11	s CERAMIC 150PF 1% 50V [for PAL]
C294	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C295	1-163-033-00	s CERAMIC 0.022uF 50V
C296	1-163-033-00	s CERAMIC 0.022uF 50V
C297	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C298	1-163-033-00	s CERAMIC 0.022uF 50V

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Ref. No. or Q'ty	Part No.	SP Description
C299	1-163-033-00	s CERAMIC 0.022uF 50V
C300	1-163-033-00	s CERAMIC 0.022uF 50V
C301	1-163-227-11	s CERAMIC, CHIP 10PF 5% 50V
C302	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C303	1-163-033-00	s CERAMIC 0.022uF 50V
C304	1-163-033-00	s CERAMIC 0.022uF 50V
C305	1-163-033-00	s CERAMIC 0.022uF 50V
C306	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C307-311	1-163-033-00	s CERAMIC 0.022uF 50V
C312	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C313	1-163-033-00	s CERAMIC 0.022uF 50V
C314	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C315	1-163-033-00	s CERAMIC 0.022uF 50V
C317	1-163-033-00	s CERAMIC 0.022uF 50V
C318	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C319	1-163-033-00	s CERAMIC 0.022uF 50V
C320	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C321	1-163-033-00	s CERAMIC 0.022uF 50V
C322	1-163-033-00	s CERAMIC 0.022uF 50V
C323	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 100V
C324	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C325	1-163-033-00	s CERAMIC 0.022uF 50V
C326	1-163-033-00	s CERAMIC 0.022uF 50V
C327	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C328	1-163-033-00	s CERAMIC 0.022uF 50V
C329	1-163-033-00	s CERAMIC 0.022uF 50V
C330	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C331-340	1-163-033-00	s CERAMIC 0.022uF 50V
C341	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C342	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C343	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C344	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C345	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C347	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C348	1-163-038-00	s CERAMIC 0.1uF 25V
C349	1-163-038-00	s CERAMIC 0.1uF 25V
C350	1-109-894-11	s ELECT 33uF 20% 10V
C360	1-162-710-11	s CERAMIC 100PF 1% 50V
C500	1-127-516-11	s ALUMN SOLID 220uF 20% 10V
C501	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C502-506	1-163-033-00	s CERAMIC 0.022uF 50V
C507	1-163-038-00	s CERAMIC 0.1uF 25V
C508	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C509-513	1-163-033-00	s CERAMIC 0.022uF 50V
C514	1-135-157-21	s TANTALUM, CHIP 10uF 10% 6.3V
C515	1-163-033-00	s CERAMIC 0.022uF 50V
C516	1-163-033-00	s CERAMIC 0.022uF 50V
C517	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C518	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C519	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C520	1-163-092-00	s CERAMIC 9PF 0.25PF 50V [for NTSC]
	1-163-089-00	s CERAMIC, CHIP 6PF 50V [for PAL]
C521	1-104-541-11	s FILM, CHIP 0.0015uF 5% 50V [for NTSC]
	1-164-695-11	s CERAMIC 2200PF 5% 50V [for PAL]
C522	1-163-257-11	s CERAMIC, CHIP 180PF 5% 50V
C523	1-163-220-11	s CERAMIC, CHIP 3PF 50V

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Ref. No. or Q'ty	Part No.	SP Description
C524	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C525	1-135-210-11	s TANTALUM, CHIP 4.7uF 20% 10V
C526	1-135-210-11	s TANTALUM, CHIP 4.7uF 20% 10V
C527	1-135-091-00	s TANTALUM, CHIP 1uF 20% 16V
C528-532	1-163-033-00	s CERAMIC 0.022uF 50V
C534	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C535	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C536	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C537	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C538	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C539	1-163-033-00	s CERAMIC 0.022uF 50V
C540	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C541	1-163-033-00	s CERAMIC 0.022uF 50V
C542	1-163-033-00	s CERAMIC 0.022uF 50V
C700-704	1-163-033-00	s CERAMIC 0.022uF 50V
C705	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C706	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C707	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C708	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C709	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C710-714	1-163-033-00	s CERAMIC 0.022uF 50V
C715	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C716	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C717	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C718	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C719	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C720-724	1-163-033-00	s CERAMIC 0.022uF 50V
C725	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C726	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C727	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C728	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C729	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C730	1-163-033-00	s CERAMIC 0.022uF 50V
C731	1-163-033-00	s CERAMIC 0.022uF 50V
C732	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C733	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C740	1-124-234-00	s ELECT 22uF 20% 16V
CN201	1-774-265-11	s CONNECTOR, BOARD TO BOARD 30P
CN202	1-774-265-11	s CONNECTOR, BOARD TO BOARD 30P
CN203	1-774-264-11	s CONNECTOR, BOARD TO BOARD 26P
CN204	1-774-262-11	s CONNECTOR, BOARD TO BOARD 18P
CN209	1-566-767-11	o CONNECTOR 12P, MALE
CN210	1-566-763-11	o CONNECTOR 8P, MALE
CP200	1-760-277-11	s VCO, CRYSTAL 28.63636000MHz [for NTSC]
	1-760-263-11	s VCO, CRYSTAL 35.46895000MHz [for PAL]
D1	8-719-157-11	s DIODE RD3.3M-B
D2	8-719-157-11	s DIODE RD3.3M-B
D3	8-719-157-11	s DIODE RD3.3M-B
D4	8-719-941-23	s DIODE DA204U
D5	8-719-941-23	s DIODE DA204U
D10	8-719-105-28	s DIODE RD2.4M-B
D200	8-719-023-69	s DIODE SB007T03Q
D201	8-719-023-69	s DIODE SB007T03Q
D202	8-719-023-69	s DIODE SB007T03Q
D203	8-719-157-11	s DIODE RD3.3M-B

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Ref. No. or Q'ty	Part No.	SP Description
D204	8-719-123-82	s DIODE 1SS303-T1
D205	8-719-023-69	s DIODE SB007T03Q [for PAL]
D206	8-719-123-82	s DIODE 1SS303-T1
D207	8-719-941-23	s DIODE DA204U
D208	8-719-123-82	s DIODE 1SS303-T1 [for PAL]
D500	8-719-023-69	s DIODE SB007T03Q
D501	8-719-023-69	s DIODE SB007T03Q [for PAL]
D700	8-719-157-23	s DIODE RD4.7M-B
D701	8-719-157-36	s DIODE RD6.8M-B
D702	8-719-157-23	s DIODE RD4.7M-B
D703	8-719-157-36	s DIODE RD6.8M-B
D704	8-719-157-36	s DIODE RD6.8M-B
FB1	1-543-309-21	s BEAD, FERRITE
FB2	1-543-309-21	s BEAD, FERRITE
FB3	1-543-309-21	s BEAD, FERRITE
FB200	1-543-309-21	s BEAD, FERRITE
FB201	1-543-309-21	s BEAD, FERRITE
FB202	1-543-309-21	s BEAD, FERRITE
FL1	1-233-432-11	s FILTER, LOW-PASS
FL2	1-233-432-11	s FILTER, LOW-PASS
FL3	1-233-433-11	s FILTER, LOW-PASS
FL200	1-239-069-11	s FILTER, LOW-PASS
FL500	1-239-931-11	s FILTER, LOW-PASS
IC1	8-759-987-27	s IC LM1881M
IC2	8-759-185-90	s IC TC74VHC221AF(EL)
IC3	8-759-030-16	s IC MC34182M
IC4	8-759-054-61	s IC CLC505AJE
IC5	8-759-014-29	s IC MC34184M
IC6	8-759-014-29	s IC MC34184M
IC7	8-759-014-29	s IC MC34184M
IC8	8-759-234-77	s IC TC4S66F
IC9	8-759-234-77	s IC TC4S66F
IC10	8-759-234-77	s IC TC4S66F
IC11	8-759-702-08	s IC NJM360M
IC12	8-759-702-08	s IC NJM360M
IC13	8-759-186-56	s IC TC74VHC174F
IC14	8-759-030-61	s IC TL431CM
IC15	8-759-998-98	s IC LM358D
IC16	8-759-081-42	s IC TC74VHC00F
IC17	8-759-030-16	s IC MC34182M
IC18	8-752-358-04	s IC CXD2310R
IC19	8-752-358-04	s IC CXD2310R
IC21	8-759-186-53	s IC TC74VHC163F
IC22	8-759-147-05	s IC UPD42101G-3
IC23	8-759-147-05	s IC UPD42101G-3
IC24	8-759-147-05	s IC UPD42101G-3
IC25	8-759-031-84	s IC TC7S04F
IC26	8-759-175-27	s IC TC74VHC574F
IC27	8-759-175-27	s IC TC74VHC574F
IC28	8-759-175-27	s IC TC74VHC574F
IC29	8-759-175-27	s IC TC74VHC574F
IC30	8-759-940-45	s IC S-8054HN-CB
IC31	8-759-186-56	s IC TC74VHC174F
IC32	8-759-186-56	s IC TC74VHC174F
IC33	8-759-174-16	s IC TC74VHC244F
IC34	8-759-710-88	s IC NJM431U
IC36	8-759-030-61	s IC TL431CM
IC37	8-759-186-60	s IC TC74VHC240F

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Ref. No. or Q'ty	Part No.	SP Description
IC38	8-759-186-56	s IC TC74VHC174F
IC40	8-752-358-04	s IC CXD2310R
IC41	8-752-360-44	s IC CXK1203AR
IC42	8-759-186-56	s IC TC74VHC174F
IC43	8-759-186-56	s IC TC74VHC174F
IC44	8-759-998-98	s IC LM358D
IC45	8-759-998-98	s IC LM358D
IC200	8-759-926-49	s IC SN74HC245NS
IC201	8-759-186-63	s IC TC74VHC245F
IC202	8-759-926-49	s IC SN74HC245NS
IC203	8-759-097-51	s IC MSM6524GS-VKR2
IC204	8-759-234-20	s IC TC7S08F
IC205	8-759-031-84	s IC TC7S04F
IC206	8-759-054-61	s IC CLC505AJE
IC207	8-759-014-29	s IC MC34184M
IC208	8-759-234-77	s IC TC4S66F
IC209	8-759-030-16	s IC MC34182M
IC210	8-759-030-16	s IC MC34182M
IC211	8-759-987-27	s IC LM1881M
IC212	8-759-185-90	s IC TC74VHC221AF(EL)
IC213	8-759-185-90	s IC TC74VHC221AF(EL)
IC214	8-759-186-39	s IC TC74VHC74F
IC215	8-759-186-43	s IC TC74VHC123AF
IC216	8-759-035-93	s IC TC7S32F-TE85L
IC217	8-759-185-90	s IC TC74VHC221AF(EL)
IC218	8-759-300-71	s IC HD14053BFP
IC219	8-759-030-16	s IC MC34182M
IC220	8-759-054-61	s IC CLC505AJE
IC221	8-752-052-77	s IC CXA1450M
IC222	8-759-185-90	s IC TC74VHC221AF(EL)
IC223	8-759-098-16	s IC LT1227CS8-E2
IC224	8-759-702-08	s IC NJM360M
IC225	8-759-186-53	s IC TC74VHC163F
IC226	8-759-186-43	s IC TC74VHC123AF
IC227	8-759-030-61	s IC TL431CM
IC228	8-759-242-64	s IC TC4W53F
IC229	8-759-998-98	s IC LM358D
IC230	8-759-186-53	s IC TC74VHC163F
IC231	8-759-233-66	s IC TC74HCT04AF
IC232	8-752-358-04	s IC CXD2310R
IC233	8-759-030-16	s IC MC34182M
IC234	8-752-360-44	s IC CXK1203AR
IC235	8-759-702-08	s IC NJM360M
IC236	8-759-035-93	s IC TC7S32F-TE85L
IC237	8-759-186-39	s IC TC74VHC74F
IC238	8-752-375-22	s IC CXD304-106Q
IC239	8-759-081-42	s IC TC74VHC00F
IC240	8-759-175-92	s IC CXD8819AQ
IC241	8-759-014-29	s IC MC34184M
IC242	8-752-334-55	s IC CXD1175M
IC243	8-759-196-97	s IC TC7SH32FU-TE85R
IC244	8-759-186-63	s IC TC74VHC245F
IC245	8-759-030-16	s IC MC34182M
IC246	8-759-186-63	s IC TC74VHC245F
IC247	8-759-186-63	s IC TC74VHC245F
IC248	8-759-101-12	s IC UPC311G2
IC249	8-759-940-45	s IC S-8054HN-CB
IC500	8-759-030-61	s IC TL431CM
IC501	8-759-186-63	s IC TC74VHC245F

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Ref. No. or Q'ty	Part No.	SP Description
IC502	8-759-186-63	s IC TC74VHC245F
IC503	8-759-030-16	s IC MC34182M
IC504	8-752-356-44	s IC CXD2306Q
IC505	8-759-185-90	s IC TC74VHC221AF(EL)
IC506	8-759-054-61	s IC CLC505AJE
IC507	8-759-054-61	s IC CLC505AJE
IC508	8-759-030-16	s IC MC34182M
IC509	8-759-242-64	s IC TC4W53F
IC510	8-752-052-73	s IC CXA1451M
IC511	8-752-052-73	s IC CXA1451M
IC700	8-759-081-42	s IC TC74VHC00F
IC701	8-759-045-17	s IC NJM79L05UA
IC702	8-759-384-71	s IC TL750L08CLP
L2	1-412-192-11	s INDUCTOR 56uH [for NTSC]
	1-412-194-11	s INDUCTOR 82uH [for PAL]
L200	1-410-393-11	s INDUCTOR, CHIP 100uH
L201	1-410-393-11	s INDUCTOR, CHIP 100uH
L500	1-412-166-11	s INDUCTOR 0.18uH [for NTSC]
	1-412-164-11	s INDUCTOR 0.12uH [for PAL]
L501	1-412-143-11	s INDUCTOR 39uH
L502	1-408-783-00	s INDUCTOR, CHIP 33uH
L503	1-408-781-00	s INDUCTOR, CHIP 22uH
L504	1-408-781-00	s INDUCTOR, CHIP 22uH
L700	1-424-641-11	s COIL, CHOKE 22uH
L701	1-424-641-11	s COIL, CHOKE 22uH
L702	1-424-641-11	s COIL, CHOKE 22uH
L704	1-424-641-11	s COIL, CHOKE 22uH
Q1	8-729-028-91	s TRANSISTOR DTA144EUA-T106 [for NTSC]
Q2	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q3	8-729-209-06	s TRANSISTOR 2SC4213-A [for NTSC]
Q4	8-729-209-06	s TRANSISTOR 2SC4213-A [for NTSC]
Q5-9	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q10	8-729-117-32	s TRANSISTOR 2SC4177
Q11	8-729-117-32	s TRANSISTOR 2SC4177
Q12	8-729-117-32	s TRANSISTOR 2SC4177
Q13	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q14-19	8-729-117-32	s TRANSISTOR 2SC4177
Q20	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q21	8-729-117-32	s TRANSISTOR 2SC4177
Q22	8-729-117-32	s TRANSISTOR 2SC4177
Q23	8-729-117-32	s TRANSISTOR 2SC4177
Q24	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q26	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q27	8-729-117-32	s TRANSISTOR 2SC4177
Q28	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q29	8-729-117-32	s TRANSISTOR 2SC4177
Q30	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q200	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q201	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q202-206	8-729-117-32	s TRANSISTOR 2SC4177
Q207	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q208	8-729-117-32	s TRANSISTOR 2SC4177
Q209	8-729-117-32	s TRANSISTOR 2SC4177
Q210	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q211	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q212	8-729-143-07	s TRANSISTOR 2SA1610-YY33

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Ref. No. or Q'ty	Part No.	SP Description
Q213	8-729-118-56	s TRANSISTOR 2SK852-X2
Q214	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q215	8-729-904-41	s TRANSISTOR FMY3
Q216	8-729-117-32	s TRANSISTOR 2SC4177
Q217	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q500	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q501	8-729-117-32	s TRANSISTOR 2SC4177
Q502	8-729-907-46	s TRANSISTOR IMZ1
Q700	8-729-807-34	s TRANSISTOR 2SB1123-S
Q701	8-729-807-51	s TRANSISTOR 2SD1623-S
Q702	8-729-807-34	s TRANSISTOR 2SB1123-S
Q703	8-729-807-34	s TRANSISTOR 2SB1123-S
Q704	8-729-807-34	s TRANSISTOR 2SB1123-S
Q705	8-729-807-34	s TRANSISTOR 2SB1123-S
Q706	8-729-807-51	s TRANSISTOR 2SD1623-S
Q707	8-729-807-34	s TRANSISTOR 2SB1123-S
Q708	8-729-807-34	s TRANSISTOR 2SB1123-S
Q709	8-729-807-34	s TRANSISTOR 2SB1123-S
Q710	8-729-807-34	s TRANSISTOR 2SB1123-S
Q711	8-729-807-51	s TRANSISTOR 2SD1623-S
Q712	8-729-807-34	s TRANSISTOR 2SB1123-S
R1	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R2	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R3	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R4	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R5	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R6	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R7	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W [for NTSC]
R8	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W [for NTSC]
R9	1-208-771-11	s METAL, CHIP 360 0.5% 1/10W [for NTSC]
	1-216-295-00	s RES, CHIP 0 [for PAL]
R10	1-208-771-11	s METAL, CHIP 360 0.5% 1/10W [for NTSC]
	1-216-295-00	s RES, CHIP 0 [for PAL]
R11	1-216-081-00	s METAL, CHIP 22K 5% 1/10W [for NTSC]
R12	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R13	1-208-810-11	s METAL, CHIP 15K 0.5% 1/10W [for PAL]
R14	1-208-784-11	s METAL, CHIP 1.2K 0.5% 1/10W
R15	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R16	1-216-650-11	s METAL, CHIP 910 0.5% 1/10W [for NTSC]
R17	1-216-650-11	s METAL, CHIP 910 0.5% 1/10W [for NTSC]
R18	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R19	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R20	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R21	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R22	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R23	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R24	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R29	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R30	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R31	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R32	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R33	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R34	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R35	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R36	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R37	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R38	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R39	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R40	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R41	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W [for NTSC]
	1-216-295-00	s RES, CHIP 0 [for PAL]
R42	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W [for NTSC]
	1-216-295-00	s RES, CHIP 0 [for PAL]
R43	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R44	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R45	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R46	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R47	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R48	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R49	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R50	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R51	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R52	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R53	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R54	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R55	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R56	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R57	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R58	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R59	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R60	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R61	1-216-133-00	s METAL, CHIP 3.3M 5% 1/10W
R63	1-216-133-00	s METAL, CHIP 3.3M 5% 1/10W
R64	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R65	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R66	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R67	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R68	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R69	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R70	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R71	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R72	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R73	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R74	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R75	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R76	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R77	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R78	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R79	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R80	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R81	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R82	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R83	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R84	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R85	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R86	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R87	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R88	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R89	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R90	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R91	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R92	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R93	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R94	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R95	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R96	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R97	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R98	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R99	1-208-800-11	s METAL, CHIP 5.6K 0.5% 1/10W
R100	1-208-800-11	s METAL, CHIP 5.6K 0.5% 1/10W
R101	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R102	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R103	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R104	1-218-766-11	s METAL, CHIP 390K 0.5% 1/10W
R105	1-216-696-11	s METAL, CHIP 75K 0.5% 1/10W
R106	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R107	1-216-696-11	s METAL, CHIP 75K 0.5% 1/10W
R108	1-218-766-11	s METAL, CHIP 390K 0.5% 1/10W
R111	1-216-295-00	s RES, CHIP 0
R116	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R117	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R118	1-216-685-11	s METAL, CHIP 27K 0.5% 1/10W
R121	1-216-295-00	s RES, CHIP 0
R126	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R127	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R128-132	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R133	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R134	1-216-627-11	s METAL, CHIP 100 0.5% 1/10W
R135	1-216-627-11	s METAL, CHIP 100 0.5% 1/10W
R136	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R137	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R138	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R140	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R141	1-216-295-00	s RES, CHIP 0
R142	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R144	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R146	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R147	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R148	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R149	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R150	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R152	1-218-766-11	s METAL, CHIP 390K 0.5% 1/10W
R153	1-216-619-11	s METAL, CHIP 47 0.5% 1/10W
R154	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R155	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R156	1-216-696-11	s METAL, CHIP 75K 0.5% 1/10W
R157	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R158	1-216-685-11	s METAL, CHIP 27K 0.5% 1/10W
R159	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R160	1-208-784-11	s METAL, CHIP 1.2K 0.5% 1/10W
R161	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R162	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R163	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R164	1-216-073-00	s METAL, CHIP 10K 5% 1/10W

## (VPR-12/12P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R165	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R167	1-216-295-00	s RES, CHIP 0
R168	1-216-295-00	s RES, CHIP 0
R170-189	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R190	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R191	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R193	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R195	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R196	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R198	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R200	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R201	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R202	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R203	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R204	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R205	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R206	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R207	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R208	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R209	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R210	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R211	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R212	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R213	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R214	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R215	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R216	1-216-619-11	s METAL, CHIP 47 0.5% 1/10W
R217	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R218	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R219	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R220	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R221	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R222	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R223	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R224	1-216-647-11	s METAL, CHIP 680 0.5% 1/10W
R225	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R226	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R227	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R229	1-218-763-11	s METAL, CHIP 300K 0.5% 1/10W
R230	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R231	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R232	1-216-647-11	s METAL, CHIP 680 0.5% 1/10W
R233	1-216-009-00	s METAL, CHIP 22 5% 1/10W
R234	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R235	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R236	1-216-614-11	s METAL, CHIP 30 0.50% 1/10W
R237	1-216-633-11	s METAL, CHIP 180 0.5% 1/10W
R238	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R239	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R240	1-208-784-11	s METAL, CHIP 1.2K 0.5% 1/10W
R241	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R242	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R243	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R244	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R245	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R246	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R247	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R248	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R249	1-216-121-00	s METAL, CHIP 1M 5% 1/10W

## (VPR-12/12P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R250	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R251	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R252	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R253	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R254	1-218-763-11	s METAL, CHIP 300K 0.5% 1/10W
R255	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R256	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R257	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R258	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R259	1-216-646-11	s METAL, CHIP 620 0.5% 1/10W
R260	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R261	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R262	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R263	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R264	1-208-801-11	s METAL, CHIP 6.2K 0.5% 1/10W
R265	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R266	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R267	1-216-295-00	s RES, CHIP 0
R268	1-216-652-11	s METAL, CHIP 1.1K 0.5% 1/10W
R269	1-216-656-11	s METAL, CHIP 1.6K 0.5% 1/10W
R270	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R271	1-216-684-11	s METAL, CHIP 24K 0.5% 1/10W
R272	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R273	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R274	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R275	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R276	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R277	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R278	1-216-690-11	s METAL, CHIP 43K 0.5% 1/10W
R279	1-208-812-11	s METAL, CHIP 18K 0.5% 1/10W
R280	1-216-133-00	s METAL, CHIP 3.3M 5% 1/10W
R281	1-208-799-11	s METAL, CHIP 5.1K 0.5% 1/10W
R282	1-216-673-11	s METAL, CHIP 8.2K 0.5% 1/10W [for NTSC]
	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W [for PAL]
R284	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R285	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R286	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R287	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R288	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R289	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R290	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R291	1-216-079-00	s METAL, CHIP 18K 5% 1/10W
R292	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R293	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R294	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R297	1-216-295-00	s RES, CHIP 0
R299	1-216-295-00	s RES, CHIP 0
R300	1-216-097-00	s METAL, CHIP 100K 5% 1/10W [for NTSC]
R301	1-216-295-00	s RES, CHIP 0 [for PAL]
R302	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R303	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R304	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R305	1-218-766-11	s METAL, CHIP 390K 0.5% 1/10W
R306	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R307	1-208-806-11	s METAL, CHIP 10K 0.5% 1/10W
R308	1-216-041-00	s METAL, CHIP 470 5% 1/10W

## (VPR-12/12P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R309	1-216-097-00	s METAL, CHIP 100K 5% 1/10W [for NTSC]
R310	1-216-295-00	s RES, CHIP 0 [for PAL]
R311	1-216-696-11	s METAL, CHIP 75K 0.5% 1/10W
R313	1-216-295-00	s RES, CHIP 0
R315	1-216-295-00	s RES, CHIP 0
R316	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R318	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R319	1-216-685-11	s METAL, CHIP 27K 0.5% 1/10W
R320	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R321	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R322	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R323	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R324	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R325	1-216-673-11	s METAL, CHIP 8.2K 0.5% 1/10W
R326	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R327	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R328	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R329	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R330	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R331	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R332	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R333	1-216-295-00	s RES, CHIP 0 [for NTSC]
R334	1-216-295-00	s RES, CHIP 0 [for PAL]
R337	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R338	1-216-045-00	s METAL, CHIP 680 5% 1/10W
R339	1-208-801-11	s METAL, CHIP 6.2K 0.5% 1/10W [for NTSC]
	1-208-800-11	s METAL, CHIP 5.6K 0.5% 1/10W [for PAL]
R340	1-208-801-11	s METAL, CHIP 6.2K 0.5% 1/10W
R341	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W [for NTSC]
	1-216-657-11	s METAL, CHIP 1.8K 0.5% 1/10W [for PAL]
R342	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R343	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R345	1-208-801-11	s METAL, CHIP 6.2K 0.5% 1/10W
R346	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R347	1-216-029-00	s METAL, CHIP 150 5% 1/10W
R348	1-216-295-00	s RES, CHIP 0
R349	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R350	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R352	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R353	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R354	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R355	1-216-674-11	s METAL, CHIP 9.1K 0.5% 1/10W
R357	1-216-129-00	s METAL, CHIP 2.2M 5% 1/10W [for PAL]
R358	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R351	1-216-295-00	s RES, CHIP 0
R356	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R359	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R360	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R361	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R362	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R363	1-216-073-00	s METAL, CHIP 10K 5% 1/10W [for NTSC]
	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W [for PAL]

## (VPR-12/12P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R364	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R365	1-216-295-00	s RES, CHIP 0
R366	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R367	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R368	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R369	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R370	1-216-045-00	s METAL, CHIP 680 5% 1/10W
R371	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R372	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R373	1-208-814-11	s METAL, CHIP 22K 0.5% 1/10W
R374	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R375	1-216-029-00	s METAL, CHIP 150 5% 1/10W
R376	1-216-029-00	s METAL, CHIP 150 5% 1/10W
R377	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R378	1-216-029-00	s METAL, CHIP 150 5% 1/10W
R379	1-216-029-00	s METAL, CHIP 150 5% 1/10W
R380	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R381	1-216-688-11	s METAL, CHIP 36K 0.5% 1/10W
R382	1-208-810-11	s METAL, CHIP 15K 0.5% 1/10W
R397-411	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R412	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R414	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R415	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R417-421	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R422	1-218-763-11	s METAL, CHIP 300K 0.5% 1/10W
R423	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R424	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R425	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R426	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R427	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R428	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R429	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R430	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R431	1-215-417-00	s METAL 680 1% 1/6W
R432	1-215-445-00	s METAL 10K 1% 1/6W
R434	1-215-421-00	s METAL 1K 1% 1/6W
R435	1-215-421-00	s METAL 1K 1% 1/6W
R500	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R501	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R502	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R503	1-218-772-11	s METAL 680K 0.5% 1/10W
R516	1-218-764-11	s METAL, CHIP 330K 0.5% 1/10W
R517	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R518	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R519	1-216-627-11	s METAL, CHIP 100 0.5% 1/10W
R520	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R521	1-208-801-11	s METAL, CHIP 6.2K 0.5% 1/10W
R522	1-216-666-11	s METAL, CHIP 4.3K 0.5% 1/10W
R523	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R524	1-216-295-00	s RES, CHIP 0
R526	1-216-657-11	s METAL, CHIP 1.8K 0.5% 1/10W [for PAL]
R529	1-208-784-11	s METAL, CHIP 1.2K 0.5% 1/10W
R527	1-208-789-11	s METAL, CHIP 2K 0.5% 1/10W
R528	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R530	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R531	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R532	1-208-785-11	s METAL, CHIP 1.3K 0.5% 1/10W

## (VPR-12/12P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R533	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R534	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R535	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R536	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R537	1-216-609-11	s METAL, CHIP 18 0.5% 1/10W [for NTSC]
	1-216-603-11	s METAL, CHIP 10 0.5% 1/10W [for PAL]
R538	1-216-625-11	s METAL, CHIP 82 0.5% 1/10W [for NTSC]
	1-216-613-11	s METAL, CHIP 27 0.5% 1/10W [for PAL]
R539	1-216-656-11	s METAL, CHIP 1.6K 0.5% 1/10W [for NTSC]
	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W [for PAL]
R540	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R541	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R542	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W [for PAL]
R543	1-208-784-11	s METAL, CHIP 1.2K 0.5% 1/10W
R544	1-208-784-11	s METAL, CHIP 1.2K 0.5% 1/10W
R545	1-218-763-11	s METAL, CHIP 300K 0.5% 1/10W
R546	1-216-619-11	s METAL, CHIP 47 0.5% 1/10W
R547	1-216-133-00	s METAL, CHIP 3.3M 5% 1/10W
R548	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R549	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R550	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R551	1-208-784-11	s METAL, CHIP 1.2K 0.5% 1/10W
R552	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R553	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R554	1-216-295-00	s RES, CHIP 0
R555	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R556	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R557	1-208-774-11	s METAL, CHIP 470 0.5% 1/10W
R558	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R559	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R560	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R561	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R562	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R563	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R565	1-216-646-11	s METAL, CHIP 620 0.5% 1/10W
R566	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R567	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R568	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R569	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R570	1-216-646-11	s METAL, CHIP 620 0.5% 1/10W
R700-704	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R705	1-208-822-11	s METAL, CHIP 47K 0.5% 1/10W
R706	1-216-089-00	s METAL, CHIP 47k 5% 1/10W
R707	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R708	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R709	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R710	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R711	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R712	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R713	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R714	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R715	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R716	1-216-049-11	s METAL, CHIP 1K 5% 1/10W

## (VPR-12/12P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R717	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R718	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R719	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R720	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R721	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R722	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R723	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R724	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R725	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R726	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R727	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R728	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R729	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R730	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R731	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R732	1-216-049-11	s METAL, CHIP 1K 5% 1/10W
R733	1-216-295-00	s RES, CHIP 0
RV200	1-237-032-11	s RES, ADJ METAL 500
RV201	1-237-037-11	s RES, ADJ METAL 20K
RV202	1-237-036-11	s RES, ADJ METAL 10K
RV500	1-237-031-11	s RES, ADJ METAL 200



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VR-194 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-657-808-11	o PRINTED CIRCUIT BOARD, VR-194
CN1	1-566-758-11	o CONNECTOR 3P, MALE
CN2	1-566-758-11	o CONNECTOR 3P, MALE
CN3	1-566-758-11	o CONNECTOR 3P, MALE
CN4	1-566-758-11	o CONNECTOR 3P, MALE
CN558	1-569-762-11	s CONNECTOR, BOARD TO BOATD 20P
R1	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R2	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R3	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R4	1-216-295-00	s RES, CHIP 0
R5	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R6	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R7	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R8	1-216-295-00	s RES, CHIP 0
R9	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R10	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R11	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R12	1-216-295-00	s RES, CHIP 0
R13	1-208-803-11	s METAL, CHIP 7.5K 0.5% 1/10W
R14	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R15	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R16	1-216-295-00	s RES, CHIP 0
SW1	1-570-863-11	s SWITCH, SLIDE
SW2	1-570-863-11	s SWITCH, SLIDE
SW3	1-570-863-11	s SWITCH, SLIDE
SW4	1-570-863-11	s SWITCH, SLIDE

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VR-205 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
6pcs	1-565-977-11	s CONTACT, FEMALE AWG28-32
1pc	1-565-978-11	o HOUSING, 6P
1pc	1-657-814-11	o PRINTED CIRCUIT BOARD, VR-205
RV1	1-241-577-11	s RES, VAR CARBON 20k/20k

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VR-206 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
3pcs	1-565-977-11	s CONTACT, FEMALE AWG28-32
1pc	1-569-618-11	o HOUSING, 3P
1pc	1-657-809-11	o PRINTED CIRCUIT BOARD, VR-206
1pc	1-955-097-11	o HARNESS, VR-VR
RV1	1-237-790-11	s RES, VAR CARBON 10K

## 5-4. Frame List

Ref. No. or Q'ty	Part No.	SP Description
2pcs	1-454-334-61	s SOLENOID
1pc	1-454-383-31	s SOLENOID
1pc	1-454-607-21	s SOLENOID
1pc	1-507-743-21	s JACK, MINI STEREO
1pc	1-507-863-51	s JACK, PHONE
1pc	1-532-525-31	s BREAKER, CIRCUIT 6.3A 125V
5pcs	1-561-336-00	s CONNECTOR, BNC, FEMALE
1pc	1-698-335-11	s MOTOR, DC SVD-1489
2pcs	1-774-157-11	s CONVERTER, COAXIAL CONNECTOR
1pc	1-775-781-11	s CABLE, COAXIAL 220mm
1pc	1-775-781-21	s CABLE, COAXIAL 220mm
1pc	1-775-782-11	s CABLE, COAXIAL 240mm
1pc	1-801-022-11	s DISPLAY MODULE, LIQUID CRYSTEL
1pc	1-810-573-11	s SENSOR, DEW CONDENSATION
1pc	8-825-770-73	s HEAD, EF291-21
1pc	8-825-779-71	s CTL HEAD, PS244-21D
1pc	8-825-920-01	s HEAD, AUDIO EPS244-2103J
1pc	8-835-440-01	s MOTOR DN20-Q7Z1B
2pcs	8-835-441-01	s MOTOR R432276751A
1pc	8-835-534-01	s MOTOR, DC SCV-0702A/J-N

HARNESS (ADA-CP409)  
(CN552/ADA-44 board to CN409/CP-260 board)  
1pc 1-955-101-11 o HARNESS, ADA-CP409  
CN552 1-573-183-11 o HOUSING, 13P  
12pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN409 1-573-183-11 o HOUSING, 13P  
12pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (ADA-CP410)  
(CN551/ADA-44 board to CN410/CP-260 board)  
1pc 1-955-100-11 o HARNESS, ADA-CP410  
CN551(12pcs)  
1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN410(12pcs)  
1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (ADA-CP411)  
(CN553/ADA-44 board to CN411/CP-260 board)  
1pc 1-955-113-11 o HARNESS, ADA-CP411

HARNESS (AIF136-MB36)  
(CN401/CP-260 board to CN921/MB-601 board)  
1pc 1-953-430-11 o HARNESS, AIF136-MB36

HARNESS (BATT-CON)  
(CN1/BATTERY CONNECTOR to CN915 and CN932/MB-601 board and CN442/FU-63 board)  
1pc 1-955-096-12 o HARNESS, BATT-CON  
CN1 1-766-377-12 s CONNECTOR, BATTERY  
CN915 1-569-617-11 o HOUSING, 2P  
1pc 1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN932 1-535-893-11 o TAB, FASTON  
CN442 1-535-893-11 o TAB, FASTON

HARNESS (BP-90)  
(BP-90 BATTERY CONNECTOR to MB-601 board)  
BATTERY 1-507-905-11 s JACK, DC

HARNESS (BRAKER-FU)  
(CIRCUIT BREAKER to W2/FU-63 board)  
(EXT DC IN connector to W1/FU-63 board)

HARNESS (BRAKER-PSW)  
(CIRCUIT BREAKER to CN602/PSW-31 board)  
CN602 1-535-893-11 o TAB, FASTON

(FRAME)

Ref. No.

or Q'ty Part No. SP Description

HARNESS (CAM-CON)

(CN1011/CAMERA connector to CN444/FU-63 board,  
CN453/CC-66 board, CN109/SST-3 board, CN402/CP-260 board  
and CN252/DIF-31 board)

1pc 1-955-118-11 o HARNESS, CAM-CON  
CN1011 1-562-245-11 o CONNECTOR, CAMERA 26P, FEMALE  
CN444 1-569-197-11 o HOUSING, 4P  
4pcs 1-569-191-11 o CONTACT, FEMALE AWG22-26  
CN453 1-569-521-11 o HOUSING, 11P  
10pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN109 1-565-978-11 o HOUSING, 6P  
6pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN402 1-569-620-11 o HOUSING, 5P  
1pc 1-565-977-11 s CONTACT, FEMALE AWG28-32  
3pcs 1-766-387-11 o CONTACT, FEMALE AWG28-26

HARNESS (CAP-HN14)

(CN107/SST-3 board to CN1/CAPSTEN MOTOR)

1pc 1-953-435-11 o HARNESS, CAP-HN14

HARNESS (CC-CP)

(CN454/CC-66 board to CN413/CP-260 board)

1pc 1-955-099-11 o HARNESS, CC-CP  
CN454 1-569-618-11 o HOUSING, 3P  
2pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN413 1-569-618-11 o HOUSING, 3P  
2pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (CP-VR205)

(CN407/CP-260 board to CN1/VR-205 board)

CN407 1-565-978-11 o HOUSING, 6P  
6pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (CP09-DUS)

(CN421/CP-260 board to CN1/DUS-339 board)

CN421 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN1 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (CS25-26)

(CN1/CS-25 board to CN2/CS-26 board)

1pc 1-948-401-12 s HARNESS, CS25-26  
CN1 1-569-196-11 o HOUSING, 3P  
3pcs 1-569-193-11 o CONTACT, FEMALE  
CN2 1-569-196-11 o HOUSING, 3P  
3pcs 1-569-193-11 o CONTACT, FEMALE

(HARNESS (DC-OUT)

(CN1013/EXT DC OUT connector to CN930/MB-601 board)

CN1013 1-565-072-11 s CONNECTOR, CIRCULAR 4P, FEMALE  
CN930 1-569-618-11 o HOUSING, 3P  
2pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (DPR-ADA56)

(CN207/DPR-62 board to CN556/ADA-44 board)

1pc 1-955-111-11 o HARNESS, DPR-ADA56

HARNESS (DPR-ADA59)

(CN208/DPR-62 board to CN559/ADA-44 board)

1pc 1-955-112-11 o HARNESS, DPR-ADA59

HARNESS (EQ-AH)

(CN304/EQ-54 board to CUE HEAD/AH-52 board)

1pc 1-955-119-12 o HARNESS, EQ-AH  
CN304 1-569-196-31 o HOUSING, 3P  
2pcs 1-569-193-11 o CONTACT, FEMALE

(FRAME)

Ref. No.

or Q'ty Part No. SP Description

HARNESS (EQ-DR)

(CN301 and CN303/EQ-54 board to CN2/DR-239 board)

1pc 1-955-117-11 o HARNESS, EQ-DR  
CN301 1-569-199-11 o HOUSING, 6P  
2pcs 1-569-191-11 o CONTACT, FEMALE AWG22-26  
4pcs 1-569-193-11 o CONTACT, FEMALE  
CN303 1-569-199-41 o HOUSING, 6P  
2pcs 1-569-191-11 o CONTACT, FEMALE AWG22-26  
4pcs 1-569-193-11 o CONTACT, FEMALE  
CN2 1-580-582-11 o HOUSING, 12P  
4pcs 1-573-176-11 o CONTACT, LY, FEMALE AWG22-26  
8pcs 1-580-599-11 o TERMINAL, SOLDERLESS

HARNESS (EXT DC GND)

(EXT DC IN connector to CN931/MB-601 board)

HARNESS (FU-CP)

(CN445/FU-63 board to CN2/DC-85 board)

(CN408/CP-260 board to CN1/DC-85 board)

2pcs 1-955-108-11 o HARNESS, FU-CP

HARNESS (HOT LINE)

(CN441/FU-63 board to MB-601 board)

CN441 1-535-893-11 o TAB, FASTON

HARNESS (KEY-LCD)

(CN463/KY-315 board to CN1 and CN2/AUDIO METER)

1pc 1-955-095-11 o HARNESS, KEY-LCD  
CN463(10pcs)  
1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN1(8pcs)  
1-569-193-11 o CONTACT, FEMALE

HARNESS (MB-ADA)

(CN914/MB-601 board to CN557/ADA-44 board)

1pc 1-955-098-11 o HARNESS, MB-ADA  
CN914 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN557 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (MB-AH1)

(CN949/MB-601 board to CUE ERASE HEAD and TC ERASE  
HEAD/AH-52 board)

1pc 1-955-120-11 o HARNESS, MB-AH1  
CN949 1-569-199-11 o HOUSING, 6P  
4pcs 1-569-193-11 o CONTACT, FEMALE

HARNESS (MB-AH2)

(CN947/MB-601 board to TC HEAD/AH-52 board)

1pc 1-955-121-11 o HARNESS, MB-AH2  
CN947 1-569-196-41 o HOUSING, 3P  
2pcs 1-569-193-11 o CONTACT, FEMALE

HARNESS (MB-CC)

(CN923/MB-601 board to CN451/CC-66 board)

1pc 1-955-109-11 o HARNESS, MB-CC

HARNESS (MB-DR1)

(CN941/MB-601 board to CN3/DR-239 board)

1pc 1-955-094-11 o HARNESS, MB-DR1  
CN941 1-565-979-11 o HOUSING, 8P  
8pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32  
CN3 1-565-979-11 o HOUSING, 8P  
8pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

(FRAME)

Ref. No.  
or Q'ty Part No. SP Description

HARNESS (MB-DR2)

(CN913/MB-601 board to CN1/DR-239 board)

1pc 1-955-116-11 o HARNESS, MB-DR2  
CN913 1-580-585-11 o HOUSING, 18P  
6pcs 1-573-176-11 o CONTACT, LY, FEMALE AWG22-26  
12pcs 1-580-599-11 o TERMINAL, SOLDERLESS  
CN1 1-580-585-11 o HOUSING, 18P  
6pcs 1-573-176-11 o CONTACT, LY, FEMALE AWG22-26  
12pcs 1-580-599-11 o TERMINAL, SOLDERLESS

HARNESS (MB-FE)

(CN956/MB-601 board to FE HEAD/FE-11 board)

1pc 1-955-122-11 o HARNESS, MB-FE  
CN956 1-569-196-21 o HOUSING, 3P  
1pc 1-569-191-11 o CONTACT, FEMALE AWG22-26  
2pcs 1-569-193-11 o CONTACT, FEMALE

HARNESS (MB44-T TOPA)

(CN944/MB-601 board to TAPE TOP SENSOR)

(CN958/MB-601 board to TAPA END SENSOR)

2pc 1-948-409-11 o HARNESS, MB44-TTOPA  
SENSOR 1-543-316-21 s HEAD, SENSING (SMALL TYPE)  
CN944 1-569-195-21 o HOUSING, 2P  
2pcs 1-569-193-11 o CONTACT, FEMALE  
CN958 1-569-195-21 o HOUSING, 2P  
2pcs 1-569-193-11 o CONTACT, FEMALE

HARNESS (MB54-TR)

(CN954/MB-601 board to CN1/TR-57 board)

CN954 (4pcs)  
1-569-193-11 o CONTACT, FEMALE  
CN1 1-562-737-11 o HOUSING, 4P  
4pcs 1-564-831-11 o CONTACT, FEMALE

HARNESS (MB56-CTL)

(CN955/MB-601 board to CN1/CTL head)

1pc 1-948-405-12 o HARNESS, MB56-CTL  
CN955 1-569-196-11 o HOUSING, 3P  
3pcs 1-569-193-11 o CONTACT, FEMALE  
CN1 1-562-735-11 o HOUSING, 2P  
2pcs 1-564-831-11 o CONTACT, FEMALE

HARNESS (MB57-CS)

(CN957/MB-601 board to CN1/CS-26 board)

CN957 (7pcs)  
1-569-193-11 o CONTACT, FEMALE  
CN1 (7pcs)  
1-564-831-11 o CONTACT, FEMALE

HARNESS (PSW-FU)

(CN601/PSW-31 board to CN443/FU-63 board)

1pc 1-948-737-11 o HARNESS, PSW-FU  
CN601 1-569-197-41 o HOUSING, 4P  
4pcs 1-569-193-11 o CONTACT, FEMALE  
CN443 1-569-197-41 o HOUSING, 4P  
4pcs 1-569-193-11 o CONTACT, FEMALE

HARNESS (SST-ADA)

(CN111/SST-3 board to CN554/ADA-44 board)

(CN105/SST-3 board to CN1/CON-18 board)

2pcs 1-955-104-11 o HARNESS, SST-ADA

HARNESS (SST-CP)

(CN110/SST-3 board to CN412/CP-260 board)

1pc 1-955-103-11 o HARNESS, SST-CP  
CN110 1-568-523-11 s HOUSING, 13P  
CN412 1-568-523-11 s HOUSING, 13P

(FRAME)

Ref. No.  
or Q'ty Part No. SP Description

HARNESS (SST-DET15)

(CN113/SST-3 board to CN1/DET-15 board)

1pc 1-955-124-11 o HARNESS, SST-DET15  
CN113 1-569-196-41 o HOUSING, 3P  
3pcs 1-569-193-11 o CONTACT, FEMALE  
CN1 1-569-196-41 o HOUSING, 3P  
3pcs 1-569-193-11 o CONTACT, FEMALE

HARNESS (SST-DET26)

(CN102/SST-3 board to CN1/DET-26 board)

1pc 1-955-123-11 o HARNESS, SST-DET26  
CN102 1-569-197-11 o HOUSING, 4P  
4pcs 1-569-193-11 o CONTACT, FEMALE  
CN1 1-569-197-11 o HOUSING, 4P  
4pcs 1-569-193-11 o CONTACT, FEMALE

HARNESS (SST-DSUB)

(CN106/SST-3 board to CN1010/REMOTE CONNECTOR)

1pc 1-955-115-11 o HARNESS, SST-DSUB  
CN106 1-561-382-31 s CONNECTOR, 10P, FEMALE

HARNESS (SST-FU)

(CN115/SST-3 board to CN446/FU-63 board)

1pc 1-955-114-11 o HARNESS, SST-FU

HARNESS (SST-KEY1)

(CN103/SST-3 board to CN461/KY-315 board)

1pc 1-955-106-11 o HARNESS, SST-KEY1

HARNESS (SST-KEY2)

(CN104/SST-3 board to CN462/KY-315 board)

1pc 1-955-107-11 o HARNESS, SST-KEY2

HARNESS (SST-SE)

(CN101/SST-3 board to CN1/SE-233 board)

(CN209/VPR-12 board to CN457/CC-66 board)

2pcs 1-955-105-11 o HARNESS, SST-SE

HARNESS (TC5-VR15)

(CN112/SST-3 board to CN455/CC-66 board)

1pc 1-953-433-11 o HARNESS, TC5-VR15

HARNESS (TC8-CP18)

(CN108/SST-3 board to CN452/CC-66 board)

(CN555/ADA-44 board to CN206/DPR-62 board)

2pcs 1-953-429-11 o HARNESS, TC8-CP18

HARNESS (TC9-CP19)

(CN302/EQ-54 board to CN1/SR-56 board)

1pc 1-953-436-11 o HARNESS, TC9-CP19

HARNESS (VPR-CC56)

(CN210/VPR-12 board to CN456/CC-66 board)

1pc 1-955-110-11 o HARNESS, VPR-CC56

HARNESS (VR-VR)

(CN1, CN2, CN3 or CN4/VR-194 board to VR-206 board)

4pcs 1-955-097-11 o HARNESS, VR-VR  
CNx 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (XLR-(A)) [for UC,SY]

(AUDIO IN CH-1 connector to CN403/CP-260 board)

(AUDIO IN CH-2 connector to CN404/CP-260 board)

(AUDIO IN CH-3 connector to CN405/CP-260 board)

(AUDIO IN CH-4 connector to CN406/CP-260 board)

CH-x 1-566-616-11 s CONNECTOR, XLR 3P, FEMALE  
CN40x 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

(FRAME)

Ref. No.  
or Q'ty Part No. SP Description

HARNESS (XLR-(A)) [for J]  
(AUDIO OUT CH-1 connector to CN414/CP-260 board)  
(AUDIO OUT CH-2 connector to CN415/CP-260 board)  
(AUDIO OUT CH-3 connector to CN416/CP-260 board)  
(AUDIO OUT CH-4 connector to CN417/CP-260 board)  
CH-x 1-566-617-11 s CONNECTOR, XLR 3P, MALE  
CN41x 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (XLR-(B)) [for UC,SY]  
(AUDIO OUT CH-1 connector to CN414/CP-260 board)  
(AUDIO OUT CH-2 connector to CN415/CP-260 board)  
(AUDIO OUT CH-3 connector to CN416/CP-260 board)  
(AUDIO OUT CH-4 connector to CN417/CP-260 board)  
CH-x 1-566-617-11 s CONNECTOR, XLR 3P, MALE  
CN41x 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

HARNESS (XLR-(B)) [for J]  
(AUDIO IN CH-1 connector to CN403/CP-260 board)  
(AUDIO IN CH-2 connector to CN404/CP-260 board)  
(AUDIO IN CH-3 connector to CN405/CP-260 board)  
(AUDIO IN CH-4 connector to CN406/CP-260 board)  
CH-x 1-566-616-11 s CONNECTOR, XLR 3P, FEMALE  
CN40x 1-569-618-11 o HOUSING, 3P  
3pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32

## 5-5. Accessories List

Ref. No.  
or Q'ty Part No. SP Description

1 A-6772-374-A s BELT ASSY, SHOULDER

## 5-6. Optional Fixtures List

Part No.    SP Description

J-6001-820-A o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (3)  
J-6001-830-A o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (2)  
J-6031-840-B o MULTI CONNECTOR CABLE (CIBNC)  
J-6080-840-A o SMALL MIRROR  
J-6086-570-A o REFERENCE FLAT PLATE  
  
J-6087-000-A o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (5)  
J-6152-450-A o WIRE CLEARANCE GAUGE SET  
J-6322-420-A o TAPE GUIDE ADJUSTMENT DRIVER (45)  
J-6322-420-3 o TG DRIVER SPARE BIT (ACROSS 0.89)  
J-6323-530-A o STOP WASHER FASTENING TOOL  
  
J-6325-110-A o TORQUE SCREWDRIVER'S BIT (FOR M1.4)  
J-6325-380-A o TORQUE SCREWDRIVER'S BIT (FOR M2)  
J-6325-400-A o TORQUE SCREWDRIVER'S (FOR 3 KG)  
J-6325-530-A o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (6)  
J-6326-120-A o HEXAGON BIT  
  
J-6326-530-A o CASSETTE REFERENCE PLATE (L)  
J-6326-940-A o S SIDE GAUGE  
J-6329-350-A o REEL TABLE HEIGHT GAUGE, MW-935  
J-6421-330-A o EXTENSION BOARD, BC-133  
J-6421-340-A o EXTENSION BOARD, BC-134  
  
J-6421-430-A o EXTENSION HARNESS, VIDEO  
J-6421-440-A o EXTENSION HARNESS, AUDIO  
J-7031-030-A o S-TENSION ARM POSITIONING PIN  
J-7031-040-A o WEIGHT FOR S-TENSION ADJUSTMENT (W76.7)  
J-7031-050-A o WEIGHT FOR S-TENSION (W 44)  
  
J-7031-260-A o MASTER BLOCK (T2)  
J-7031-270-A o MASTER BLOCK (S2)  
J-7031-280-A o S-TEN ADJUSTING TABLE  
J-7031-450-A o END SENSOR POSITIONING TOOL  
J-7031-460-A o TORQUE SCREWDRIVER'S HEXAGONAL BIT (ACROSS 1.27)  
  
2-034-697-00 o CLEANING PIECE  
7-651-000-10 o SONY GREASE, SGL-601 (50 G)  
7-651-000-11 o SONY GREASE, SGL-801 (50 G)  
7-661-018-18 o MITSUBISHI DIAMOND MACHINE OIL HYDRO FLUID NT-68  
7-700-736-05 o L-SHAPED HEXAGONAL WRENCH (D=1.5 mm)  
  
7-700-736-06 o L-SHAPED HEXAGONAL WRENCH (D=0.9 mm)  
8-960-073-01 o ALIGNMENT TAPE, ZR5-1 [for NTSC]  
8-960-073-11 o ALIGNMENT TAPE, ZR2-1 [for NTSC]  
8-960-073-51 o ALIGNMENT TAPE, ZR5-1P [for PAL]  
8-960-073-61 o ALIGNMENT TAPE, ZR2-1P [for PAL]  
  
9-911-053-00 o THICKNESS GAUGE  
9-919-573-01 o CLEANING FLUID